



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

M. Q. Windows, Inc.
Suite A-271
1855 Griffin Road
Dania, FL 33004

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Lift and Slide" 10Ft. Wood Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. MQ-LSD-M1, titled "Lift and Slide Wood Sliding Glass Impact Door", sheets 1 through 22 of 22, dated 05/24/2010 with the latest revision, dated 06/20/2011, prepared by CertWorks, LLC, signed and sealed by Alexis Spyrou, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Ste. Agathe, Quebec, Canada**, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
7/14/11

NOA No. 10-0708.03
Expiration Date: July 21, 2016
Approval Date: July 21, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **MQ-LSD-M1**, titled "**Lift and Slide Wood Sliding Glass Impact Door**", sheets 1 through 22 of 22, dated 05/24/2010 with the latest revision, dated 06/20/2011, prepared by CertWorks, LLC, signed and sealed by Alexis Spyrou, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, Type "C" sliding door, Grade 10, per ASTM F 842-04 and per FBC 2411 3.2.1, TAS 202-94
 - 7) Standard Test Method for Determination of Operating Force of Sliding Windows and Doors per ASTM E2068-00 (2008) and per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of wood sliding glass door, prepared by hurricane Test Laboratory, LLC, Test Report No. **HTL 0118-1002-07**, dated 11/10/2009, signed and sealed by Vinu J. Abraham, P. E.

C. CALCULATIONS

1. Anchor structural analysis, complying with FBC-2007, prepared by CertWorks, LLC, dated 07/06/2010, signed, sealed and dated 04/11/2011 by Alexis Spyrou, P. E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

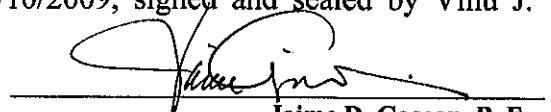
1. Miami-Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and compliance with the FBC-2007, dated 03/24/2011, signed and sealed by Alexis Spyrou, P. E.
2. Laboratory compliance letter for Test Report No. **HTL-0118-1002-07**, issued by Hurricane Test Laboratory, LLC, dated 11/10/2009, signed and sealed by Vinu J. Abraham, P. E.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 10-0708.03

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

3. Laboratory addendum letter for Test Report No. **HTL-0118-1002-07**, issued by Hurricane Test Laboratory, LLC, dated 02/28/2011, signed and sealed by Vinu J. Abraham, P. E.
4. Distributor Agreement between Fenetres MQ, Inc., Ste. Agathe, Quebec, Canada and M.Q. Windows, Inc., Dania, Florida, USA, dated 06/06/2011, signed by Gilles Morin, respectively.

G. OTHERS

1. None.



Jaime D. Gascon, P. E.
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ALLOWABLE DESIGN PRESSURE
(all door conditions) +50 psf, - 60 psf
WOOD: MAHOGANY
or of specific gravity of 0.59 or higher

GENERAL NOTES:

- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 EDITION OF THE FLORIDA BUILDING CODE WITH 2009 SUPPLEMENT.
- 2- THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS201, 202 AND 203. NO SHUTTERS ARE REQUIRED.
- 3- WOOD BUCKS (BY OTHERS) AND OPENINGS MUST BE DESIGNED BY THE PROFESSIONAL OF RECORD TO PROPERLY TRANSFER WIND LOADS TO THE MAIN STRUCTURE.
- 4- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE WAS NOT USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF $C_d = 1.6$ WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.
- 5- ALL WOOD NOT SEPARATED FROM AND/OR IN DIRECT CONTACT WITH CONCRETE AND MASONRY SHALL BE TREATED IN AN APPROVED PRESERVATIVE OR SHALL BE AN APPROVED DURABLE SPECIES PER FBC 004 ch. 2326.2.4.
- 6- POCKET OPENINGS SHALL BE PROTECTED BY MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT WALL SYSTEMS AND ARE NOT PART OF THIS FRAMING AND ARE NOT PART OF THIS APPROVAL.

INSTALLATION NOTES:

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, SEE TABLE 1 FOR DETAILS. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.

INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE $1/4$ INCH. SHIM WHERE SPACE OF $1/16$ INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.

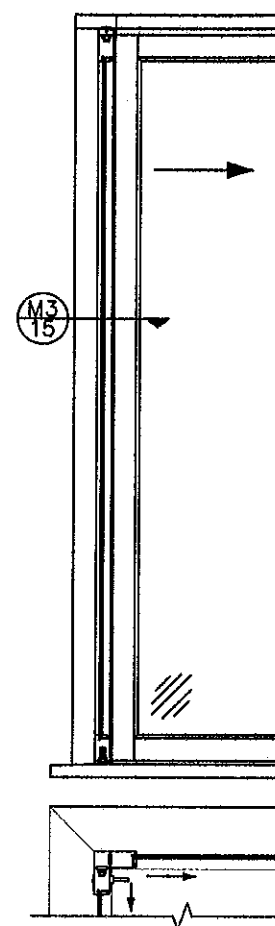
INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.

FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.

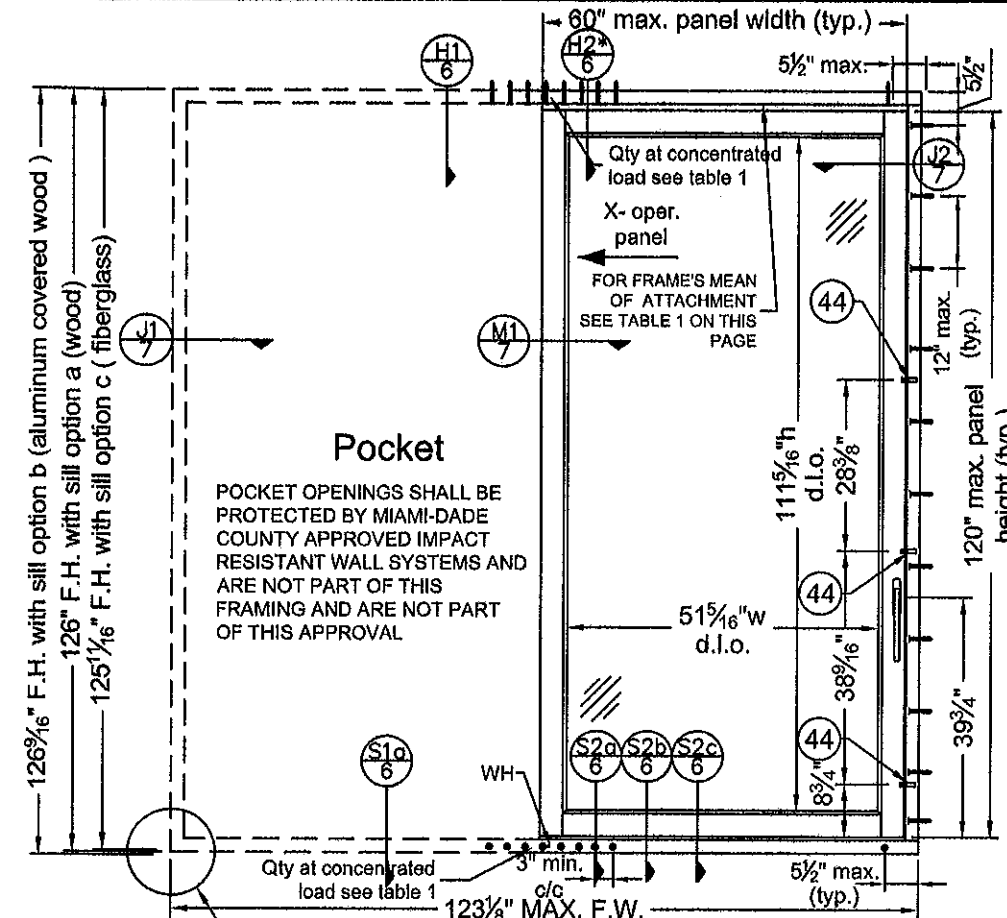
INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

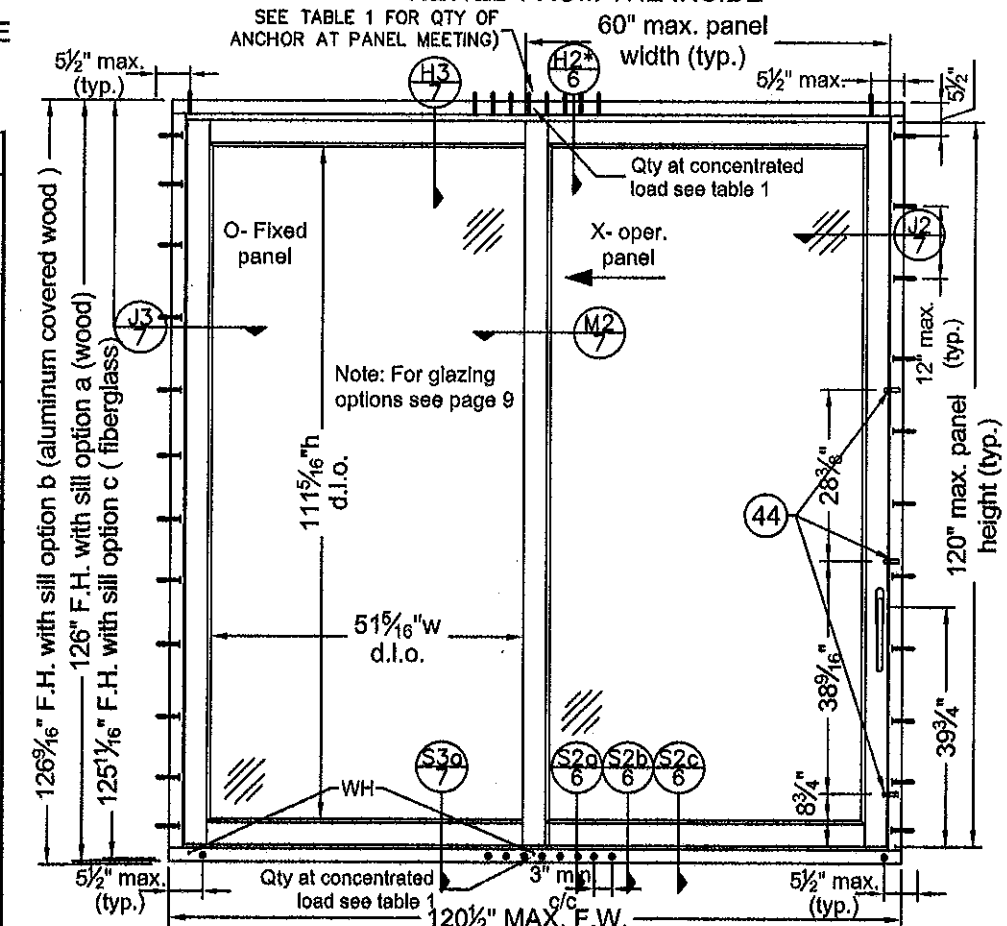
- A) WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
- B) CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2700 PSI.
- C) MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE M OR S (OR GREATER).
- D) STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS.



OPTION 90° CORNER
VIEWED FROM THE INSIDE



ELEVATION O.X ONE RAIL, AND POCKET
VIEWED FROM THE INSIDE



ELEVATION O.X ONE RAIL, AND FIXED PANEL
VIEWED FROM THE INSIDE

TABLE 1: ANCHOR SCHEDULE

INSTALLATION TYPE	SUBSTRATE	ANCHOR TYPE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	HEAD & SILL (3" O/C)	JAMB	CORNER DISTANCE (IN.)
THROUGH FRAME	2x P.T. WOOD BUCK	#14 WOOD SCREW	1,5	1	8	12	5,5
THROUGH FRAME	CONCRETE/ MASONRY	1/4" ITW TAPCON	1,75	2,5	8	8,5	5,5
THROUGH FRAME	STEEL STUD	1/4" SELF-TAPPING SCREW	3 Threads	N/A	6	7,5	5,5
THROUGH FRAME	ALUMINUM TUBE	1/4" SELF-TAPPING SCREW	3 Threads	N/A	6	9	5,5
THROUGH AL. CLIP	2x P.T. WOOD BUCK	#14 WOOD ANCHOR	1,5	1	7	12	5,5
THROUGH AL. CLIP	CONCRETE/ MASONRY	1/4" ITW TAPCON	1,75	2,5	6	12	5,5
THROUGH AL. CLIP	STEEL STUD	1/4" SELF-TAPPING SCREW	3 Threads	N/A	6	12	5,5
THROUGH AL. CLIP	ALUMINUM TUBE	1/4" SELF-TAPPING SCREW	3 Threads	N/A	6	12	5,5



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD
SLIDING GLASS IMPACT
DOORS

Drawing no.: MQ-LSD-M1

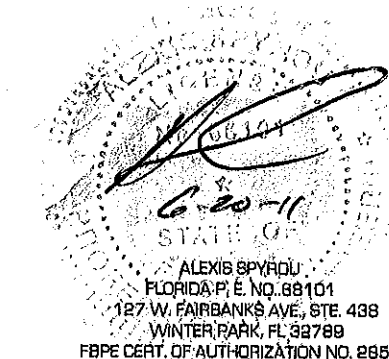
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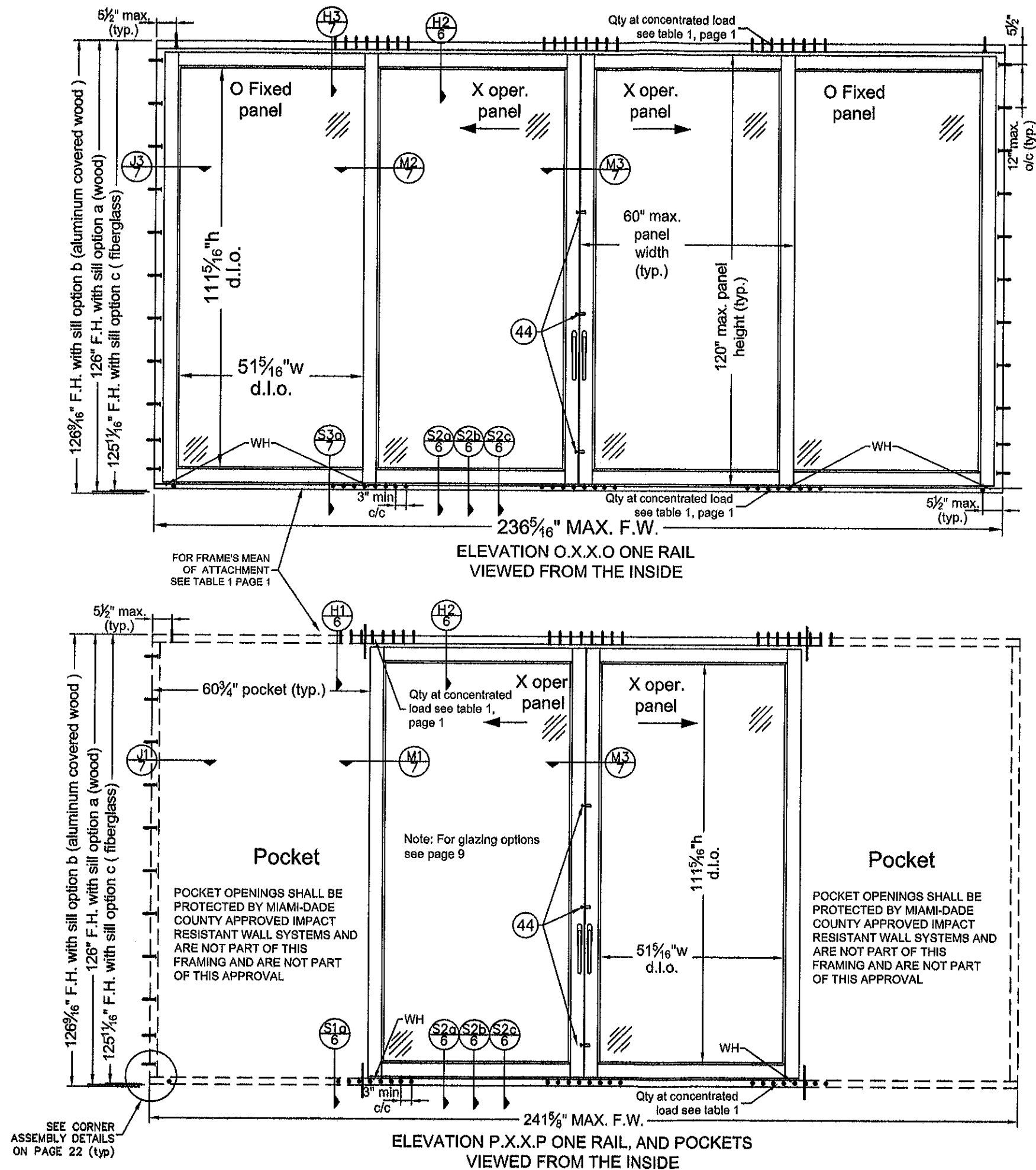
Date drawn: 05/24/10
Date revised:

File: Page: 1 / 22

Approved as complying with the
Florida Building Code
Date 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control

By *[Signature]*





WH: $\frac{5}{16}$ " \varnothing
Weep Hole



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

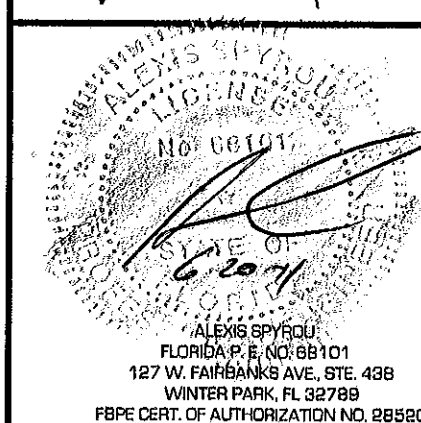
LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

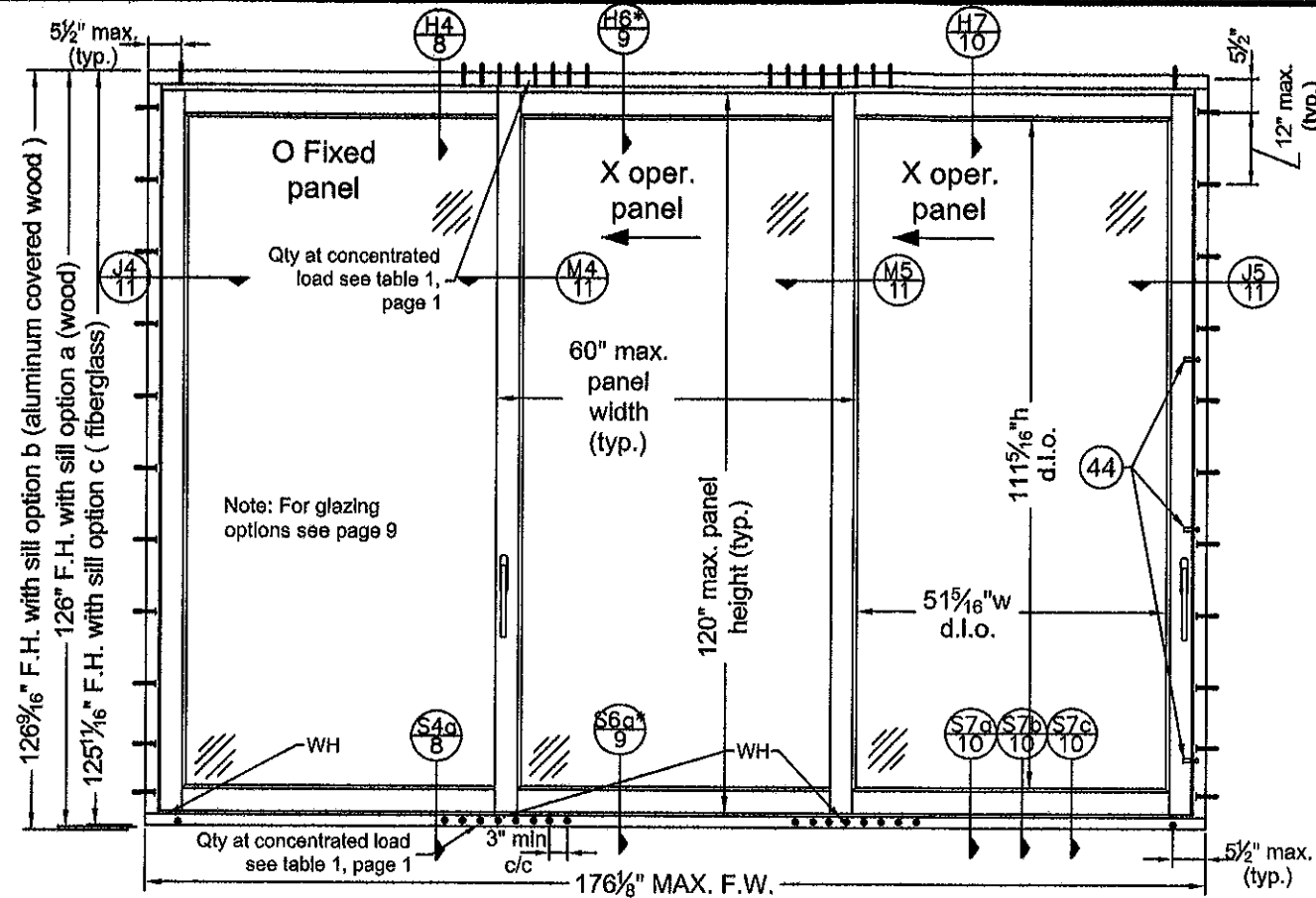
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Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 2 / 22

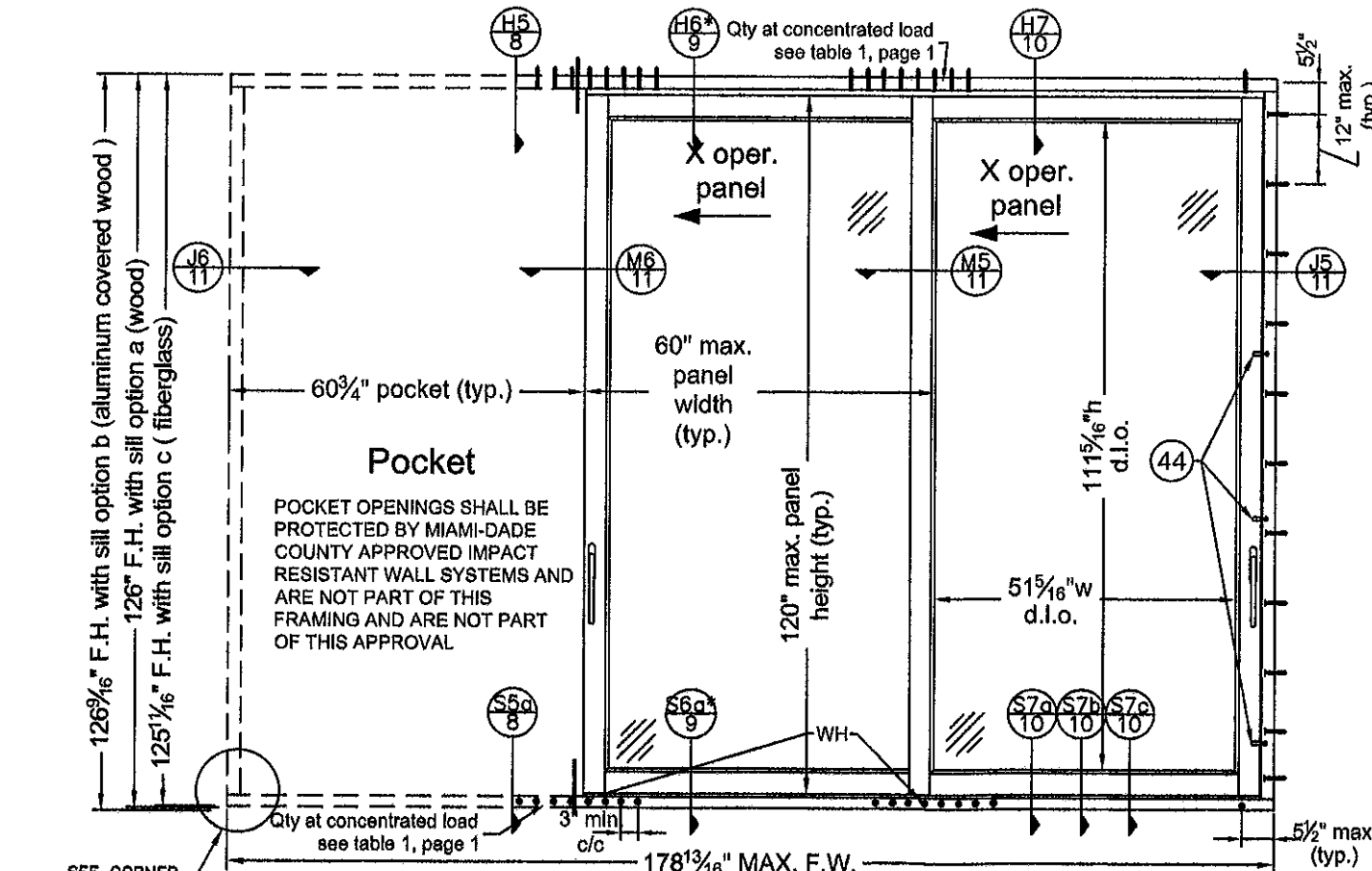
Approved as complying with the
Florida Building Code
Date: 07/21/2011
NOA# 16-0708.03
Miami Dade Product Control

By: *[Signature]*





ELEVATION O.X.X TWO RAILS,
VIEWED FROM THE INSIDE



ELEVATION P.X.X TWO RAILS WITH POCKET
VIEWED FROM THE INSIDE

WH: 5/16\"/>



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

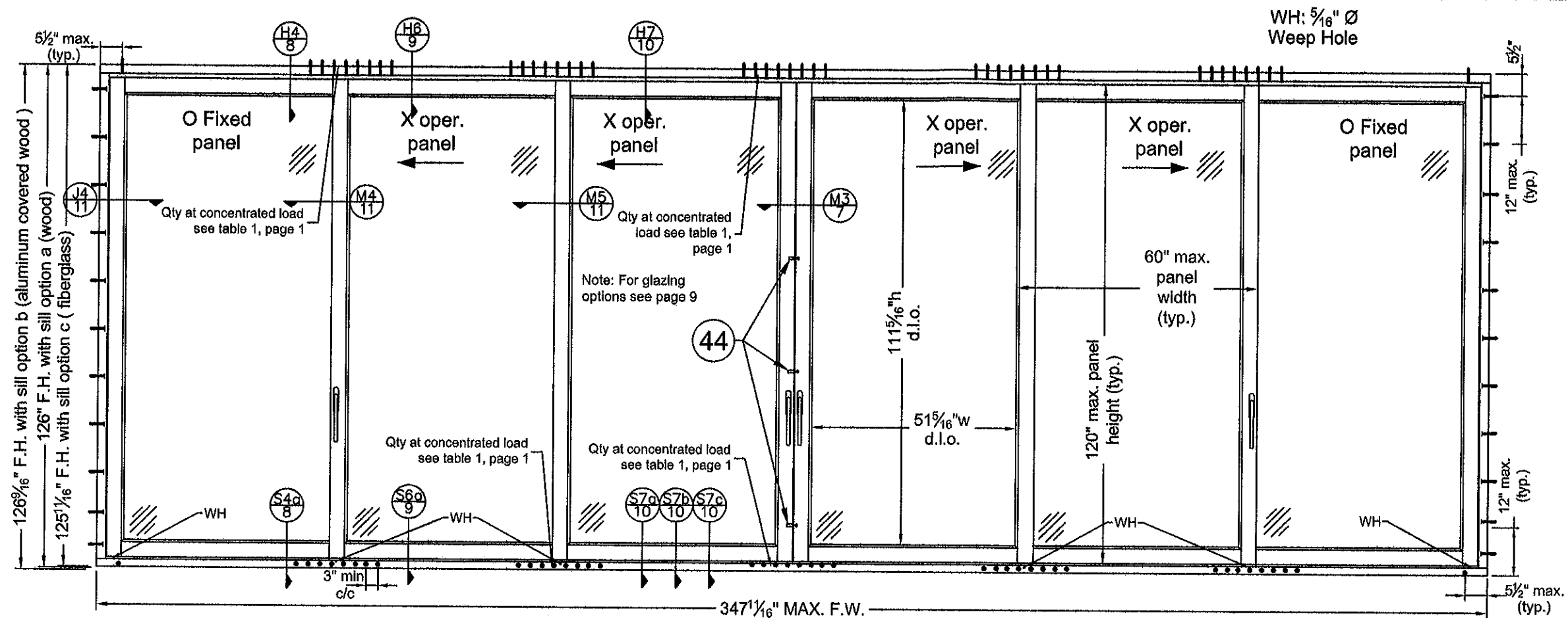
LIFT AND SLIDE WOOD
SLIDING GLASS IMPACT
DOORS

Drawing no.: MQ-LSD-M1

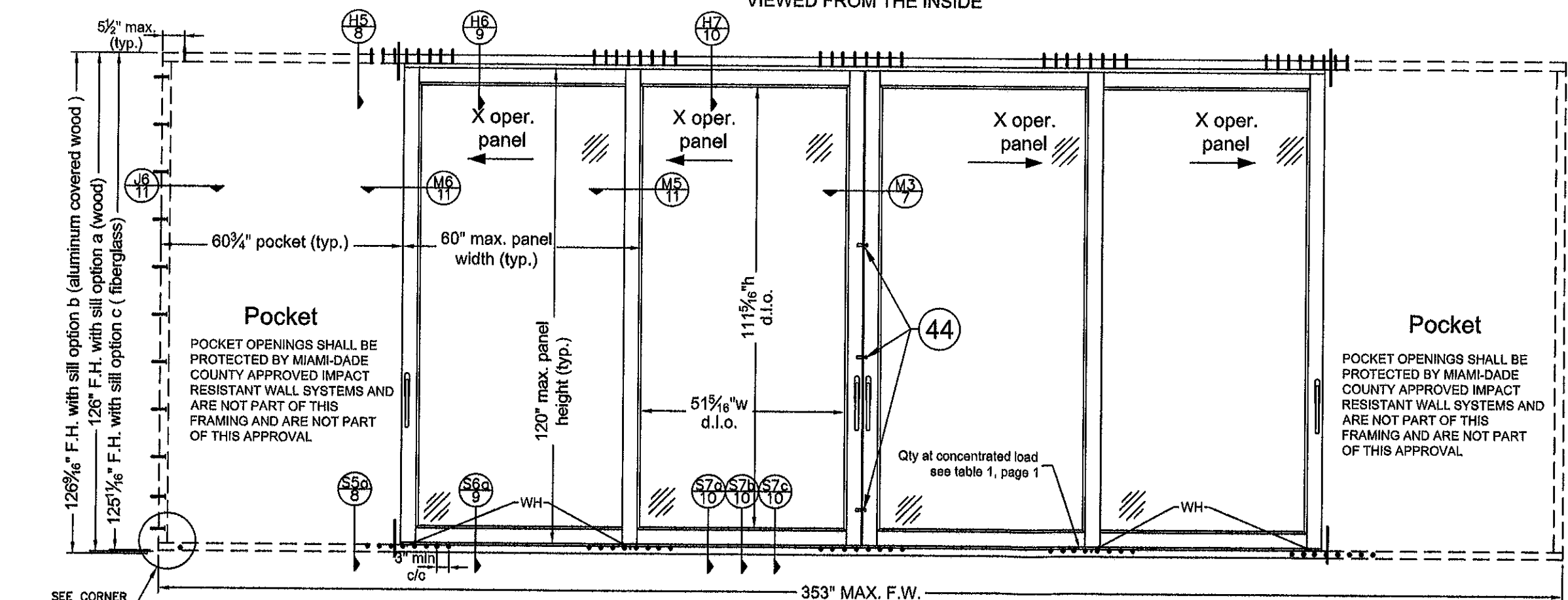
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Date drawn: 05/24/10	Date revised:
File:	Page: 3 / 22

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Date 07/21/2011
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Miami Dade Product Control
By *[Signature]*

ALEXIS SHYRON
LICENSED
110 68117
ALEXIS SHYRON
FLORIDA P.E. NO. 88101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520



ELEVATION O.X.X.X.O THREE RAILS,
VIEWED FROM THE INSIDE



ELEVATION P.X.X.X.P TWO RAILS WITH POCKET
VIEWED FROM THE INSIDE



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

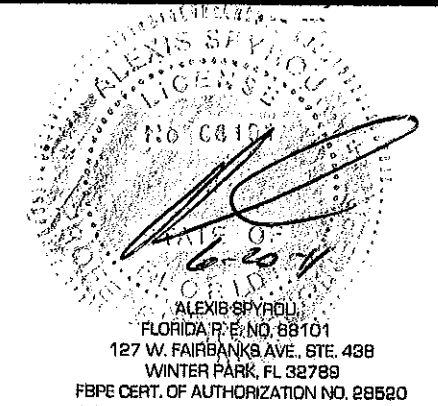
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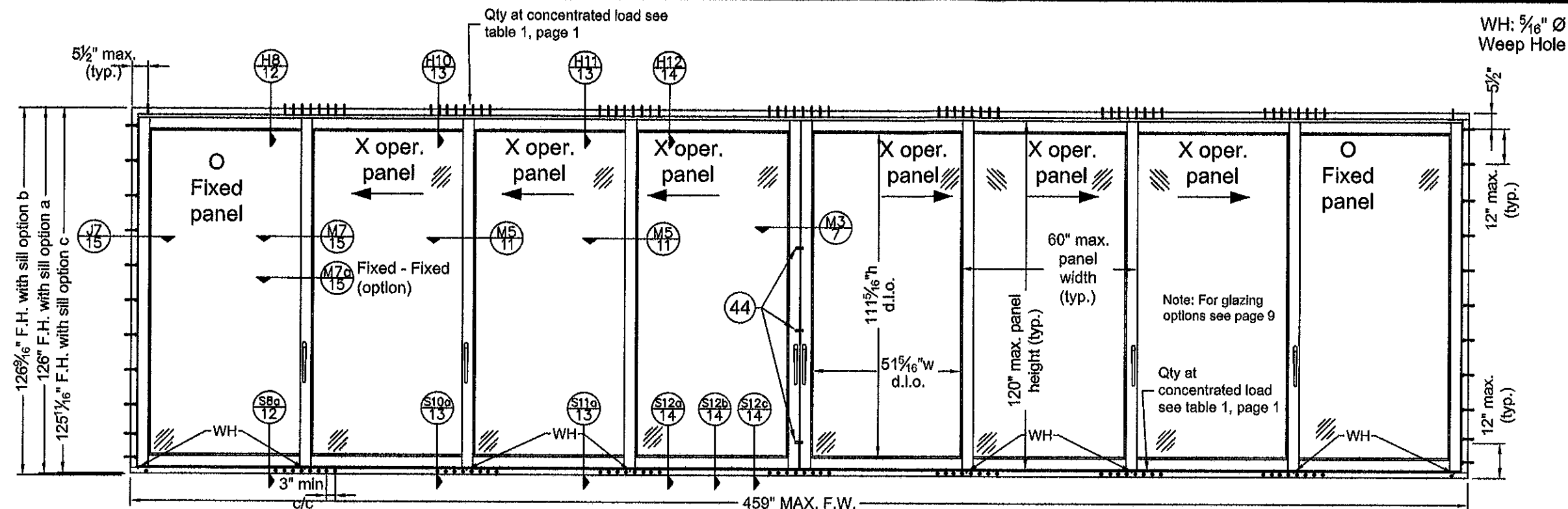
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Date drawn: 05/24/10 Date revised:

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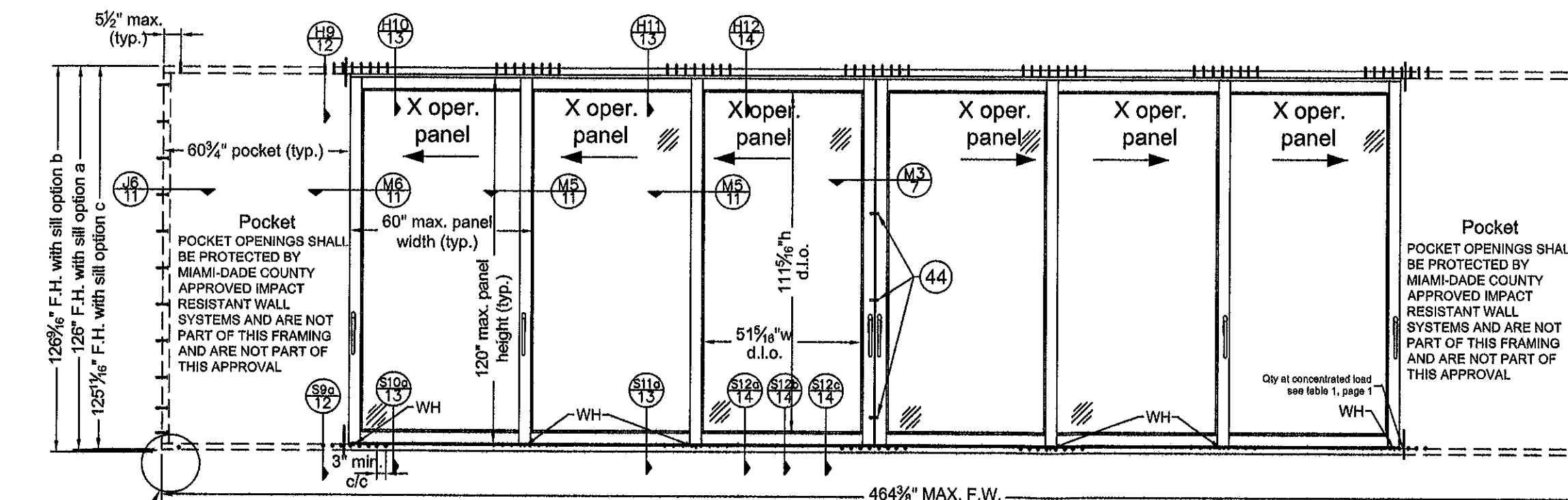
Approved as complying with the
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NOA# 16-0708.03
Miami Dade Product Control
By *[Signature]*





ELEVATION O.X.X.X.X.X.O FOUR RAILS,
VIEWED FROM THE INSIDE

Conditions shown are the majority
of those used. Other conditions of
fixed and operable panels apply
providing they are within the scope
of the details within this drawing.



ELEVATION P.X.X.X.X.X.P THREE RAILS WITH POCKET
VIEWED FROM THE INSIDE



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

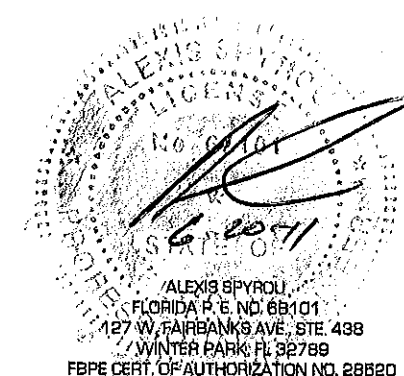
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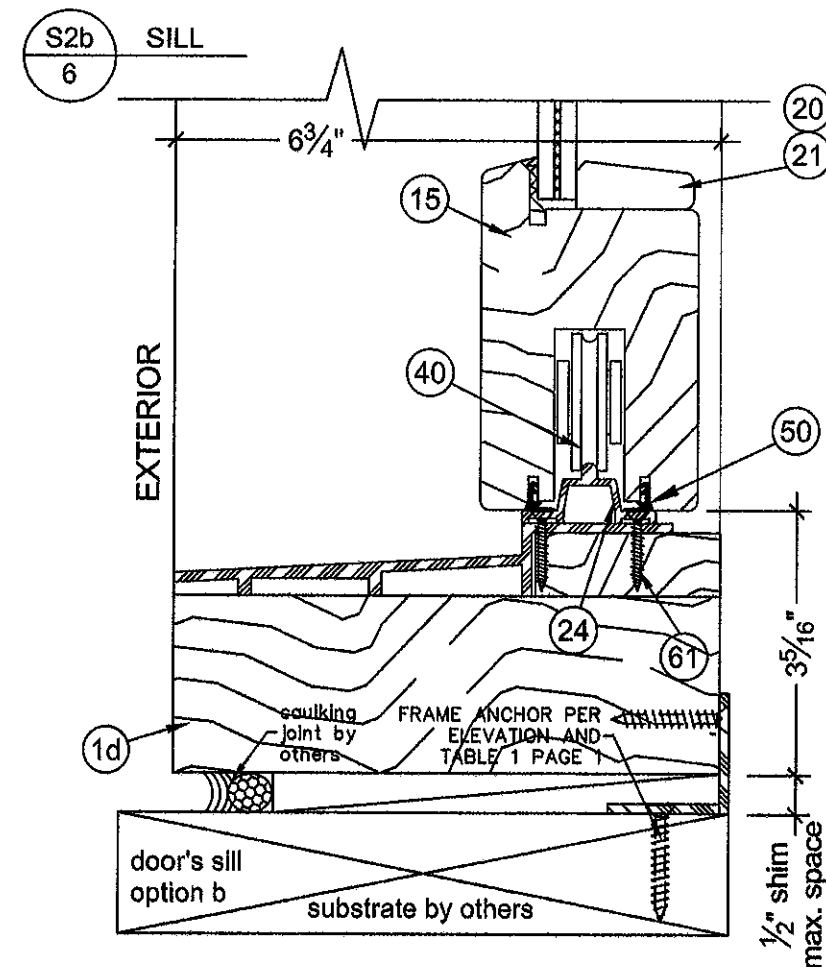
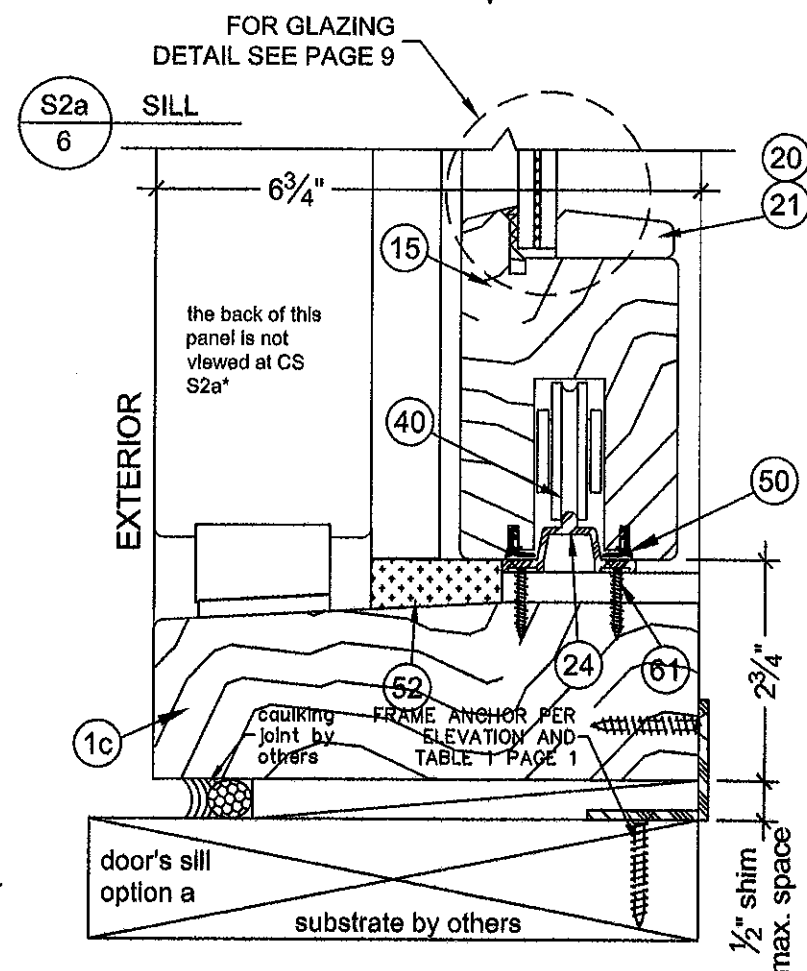
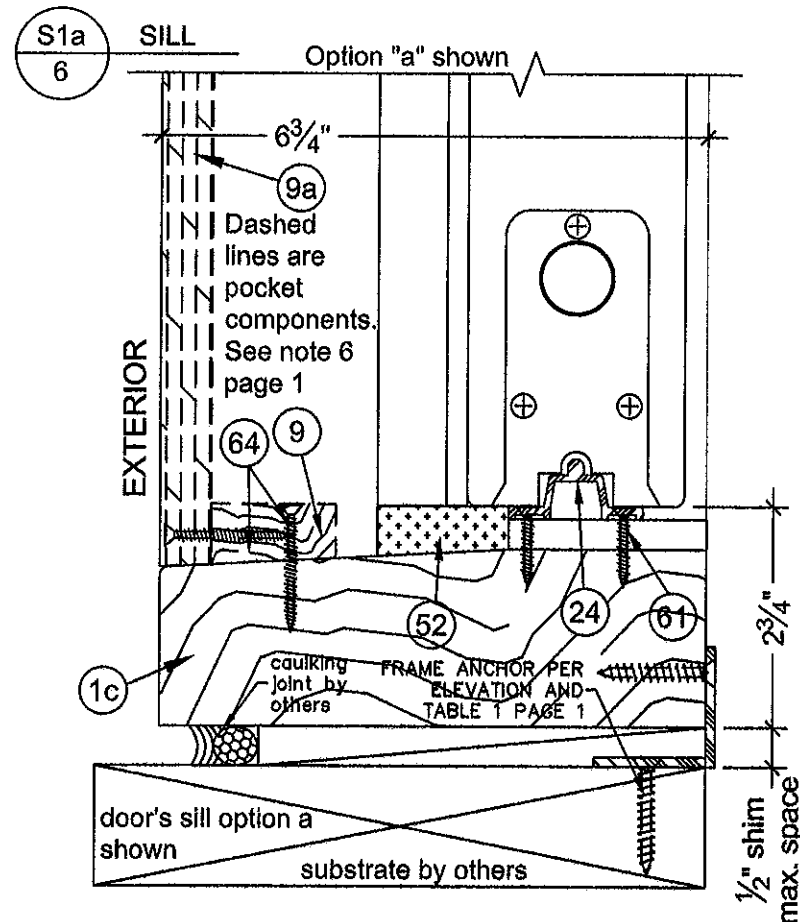
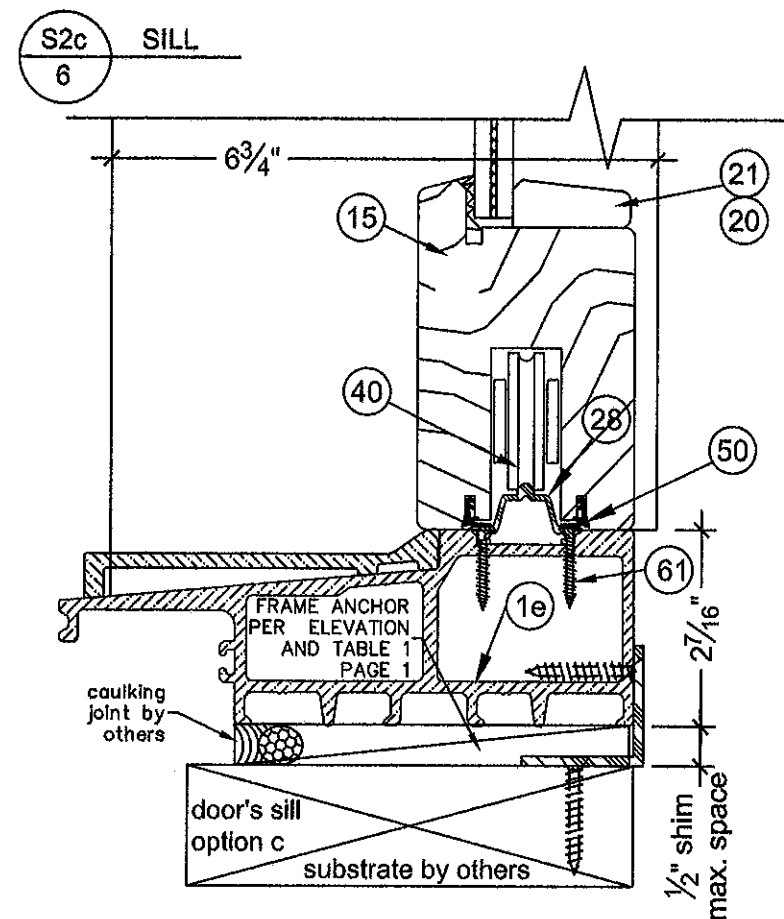
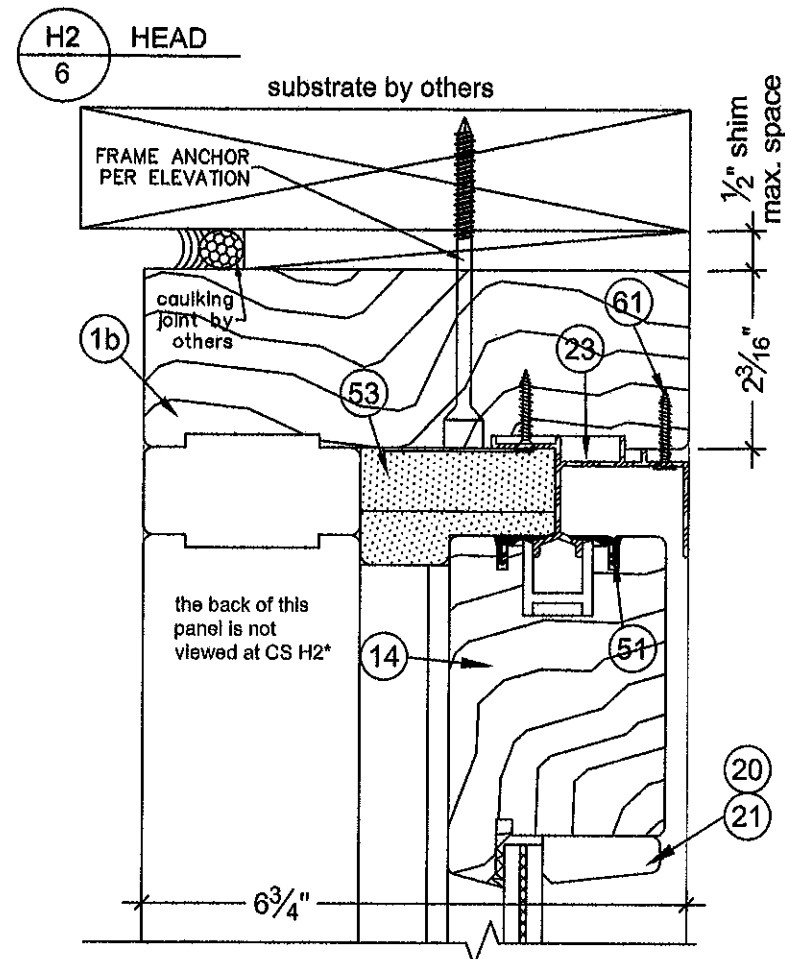
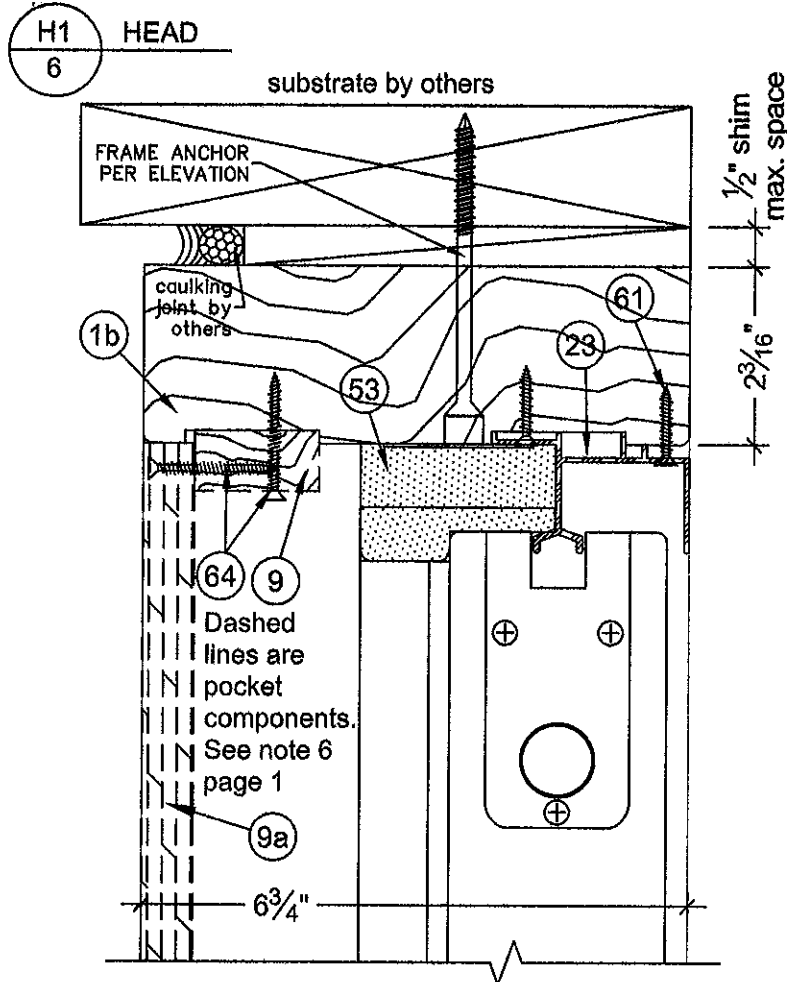
Date drawn: 05/24/10
Date revised:

File: Page: 5 / 22

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NOA# 16-2708.03
Miami Dade Product Control

By *[Signature]*





1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

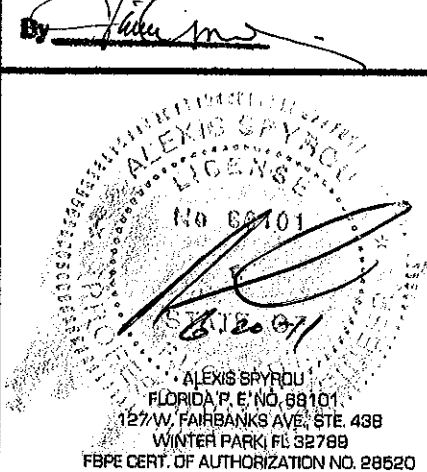
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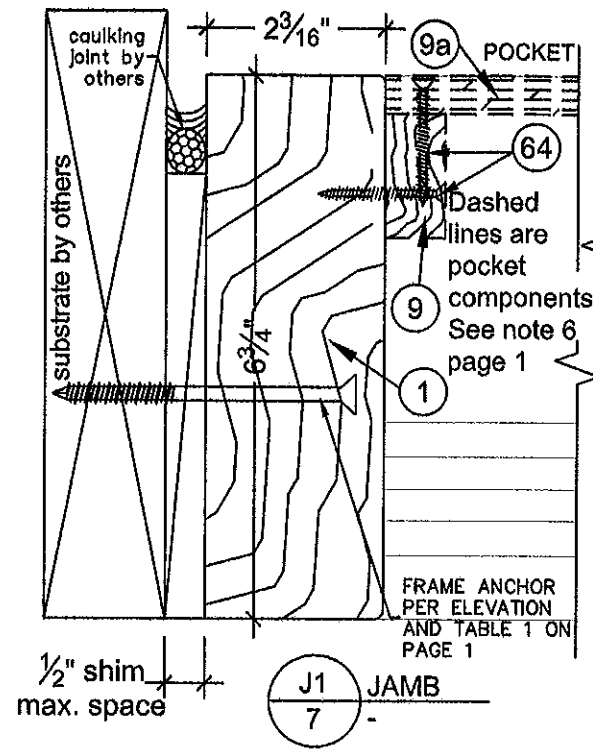
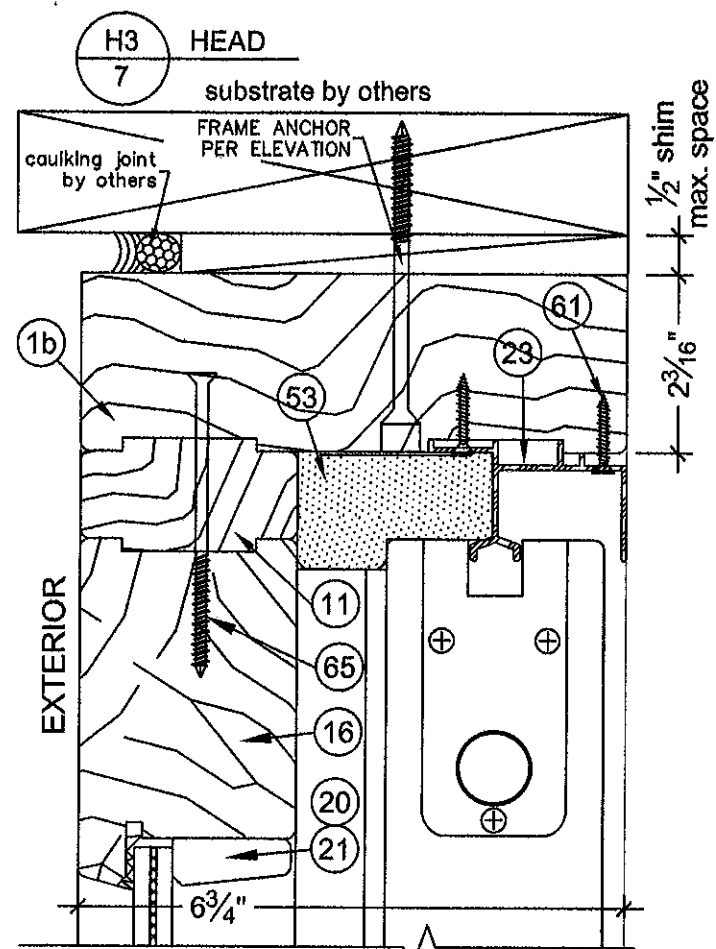
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Drawn by: S. Marcotte

Date drawn: 05/24/10
Date revised:

File: Page: 6 / 22

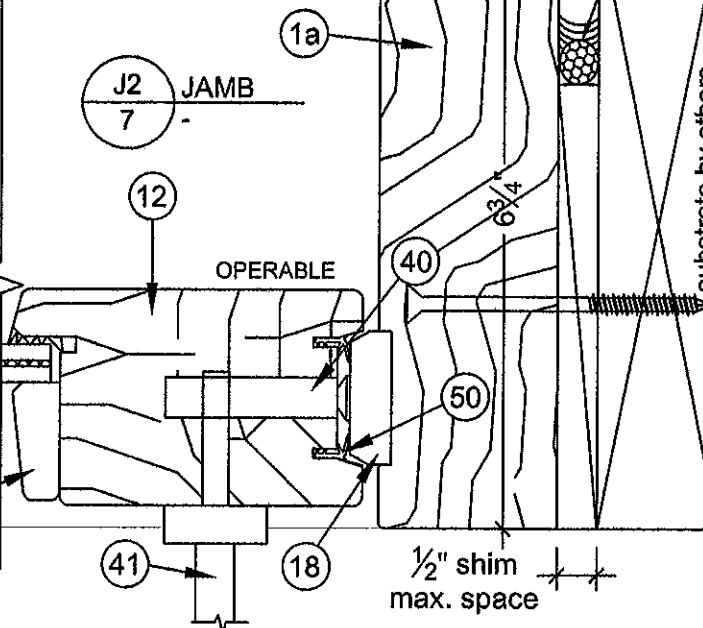
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Date 07/21/2011
NOA# 10-0788.03
Miami Dade Product Control





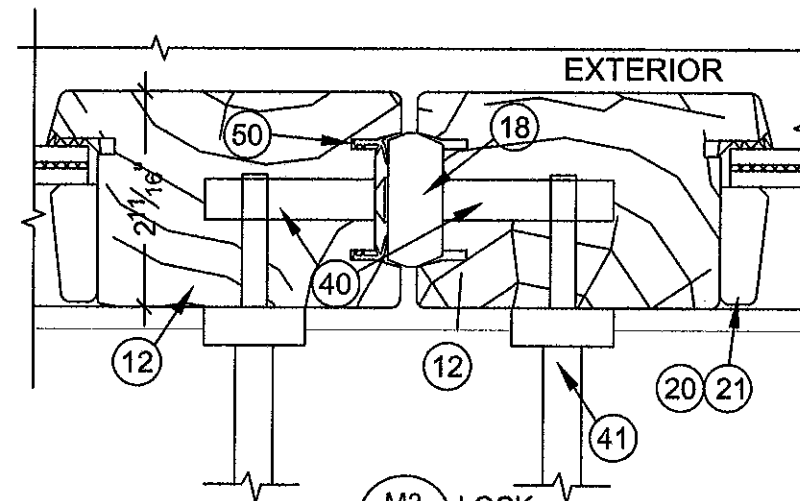
M1 LOCK STILE
7

EXTERIOR



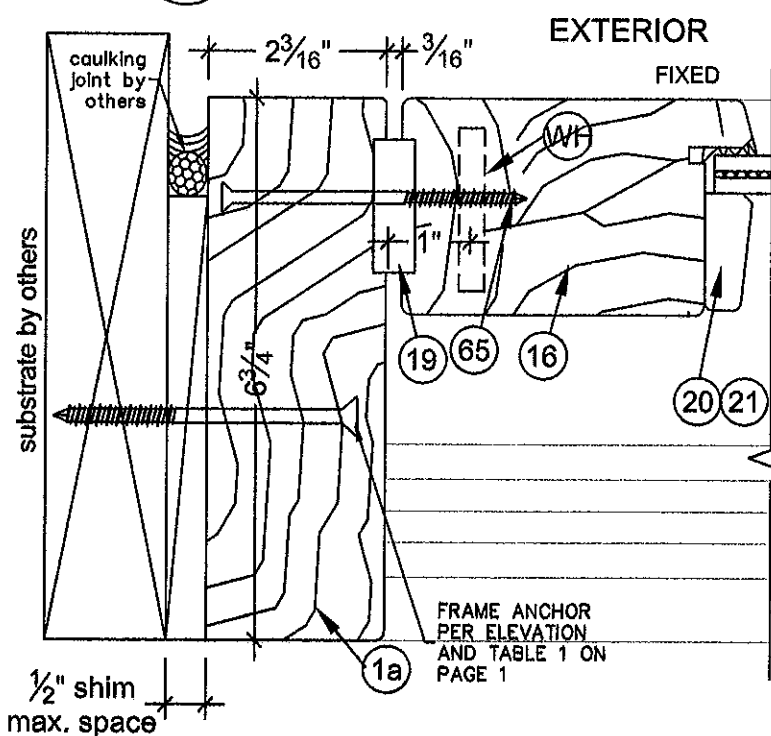
M3 LOCK STILE
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EXTERIOR



FOR GLAZING
DETAIL SEE PAGE 9

J3 JAMB
7



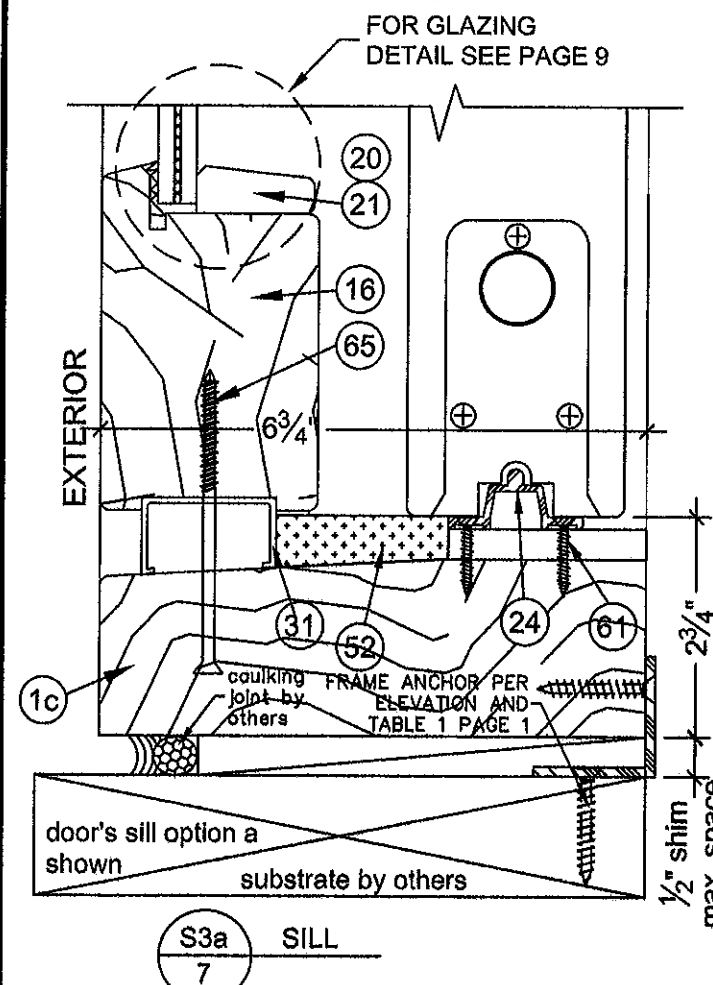
EXTERIOR

FIXED

FIXED

OPERABLE

M2 MEETING STILES
7



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

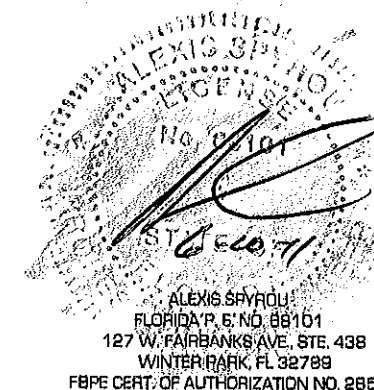
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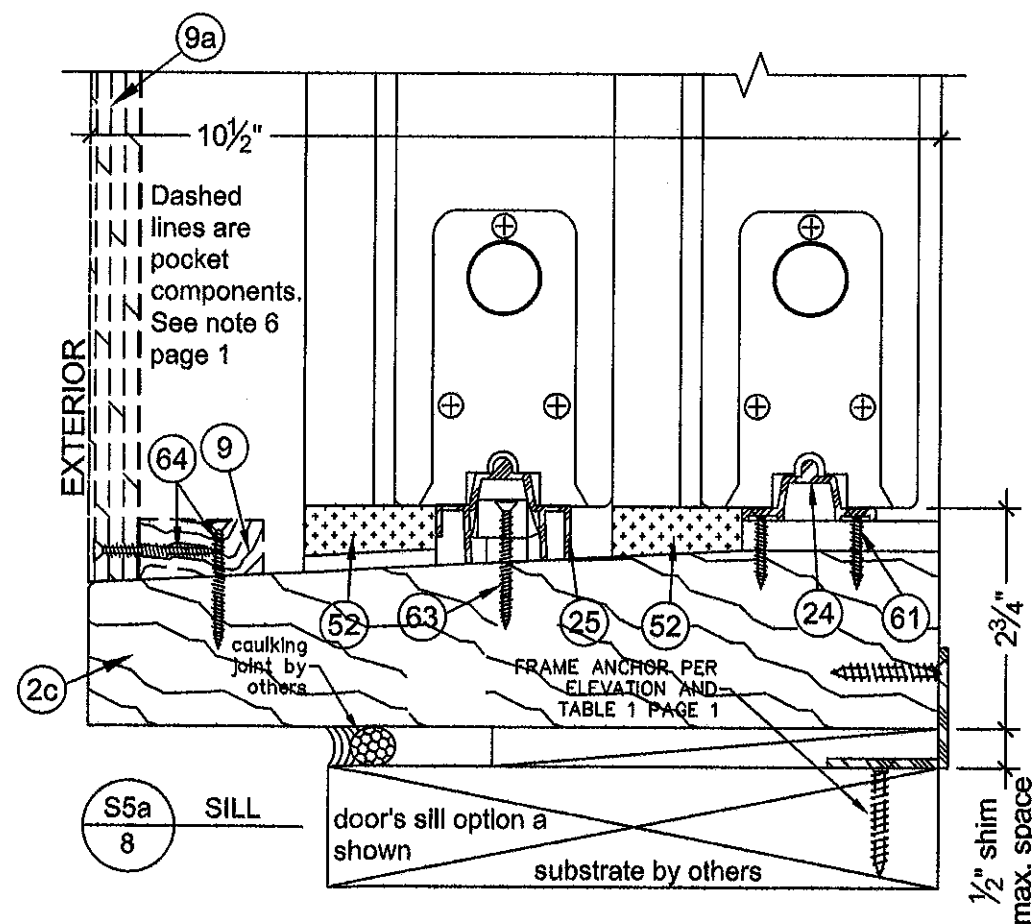
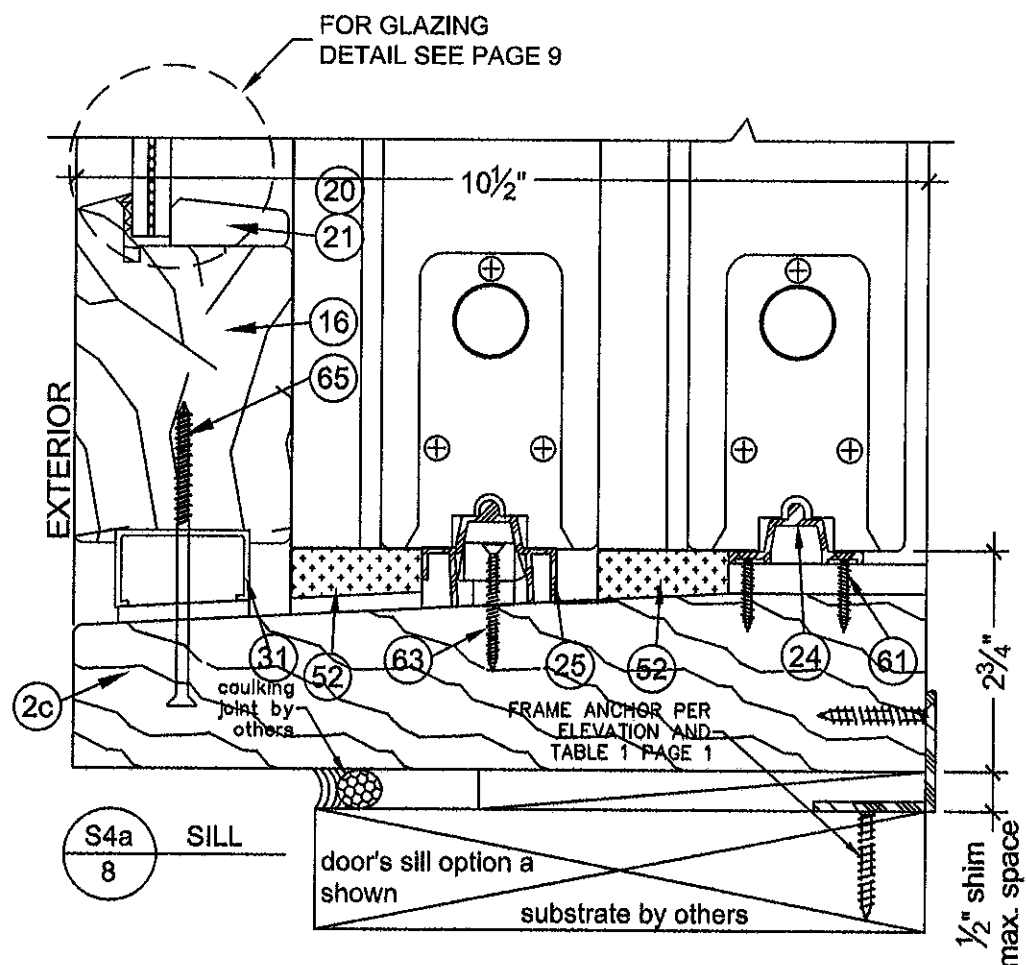
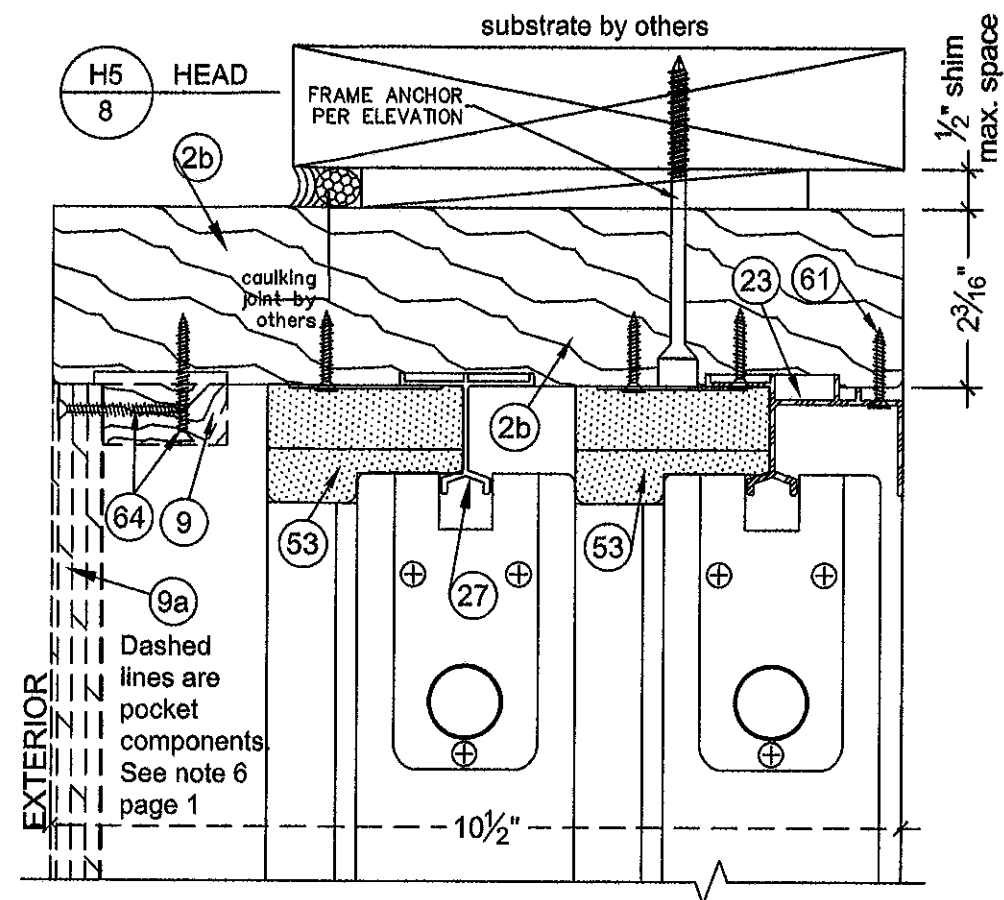
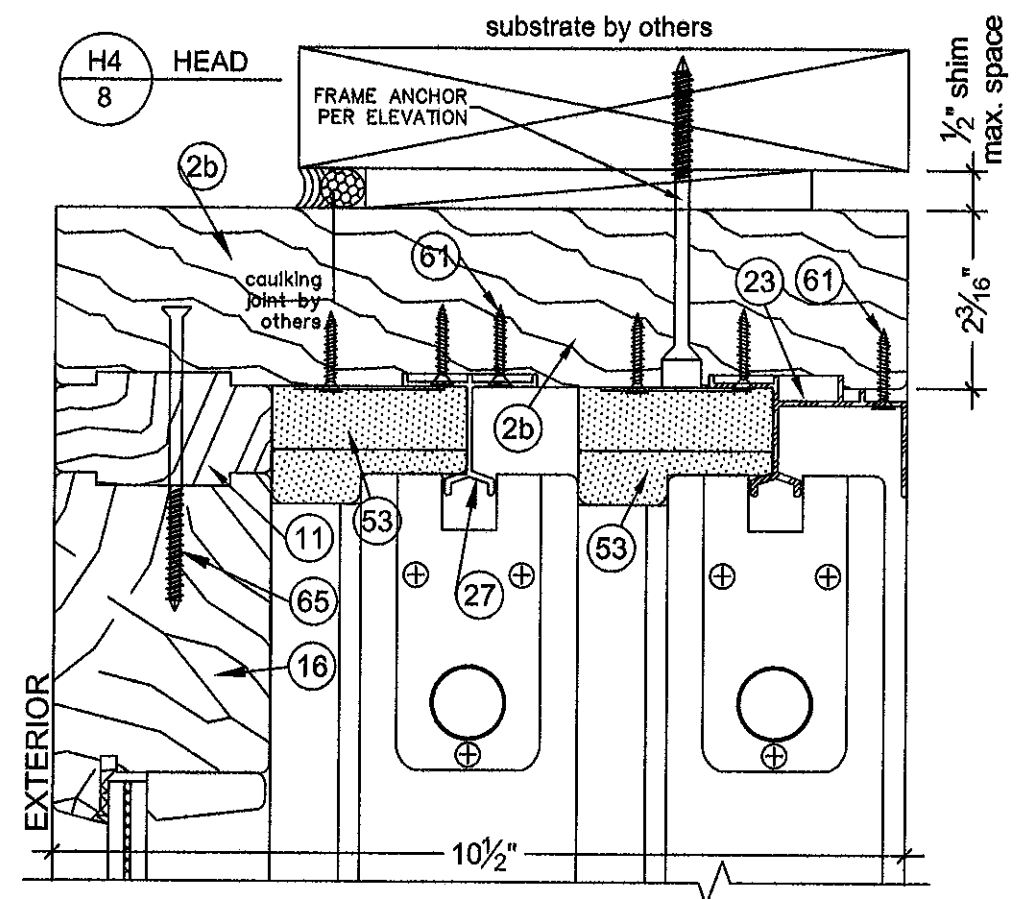
Date drawn: 05/24/10
Date revised:

File: Page: 7 / 22

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NOA# 10-0788-03
Miami Dade Product Control

By [Signature]





1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

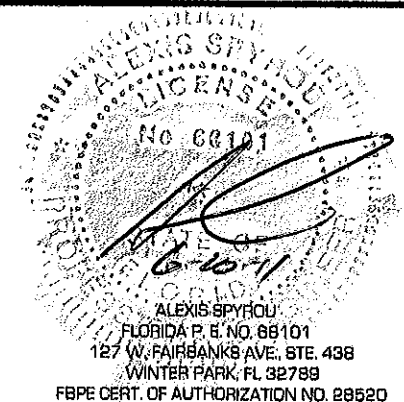
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Scale: NONE Drawn by: S. Marcotte

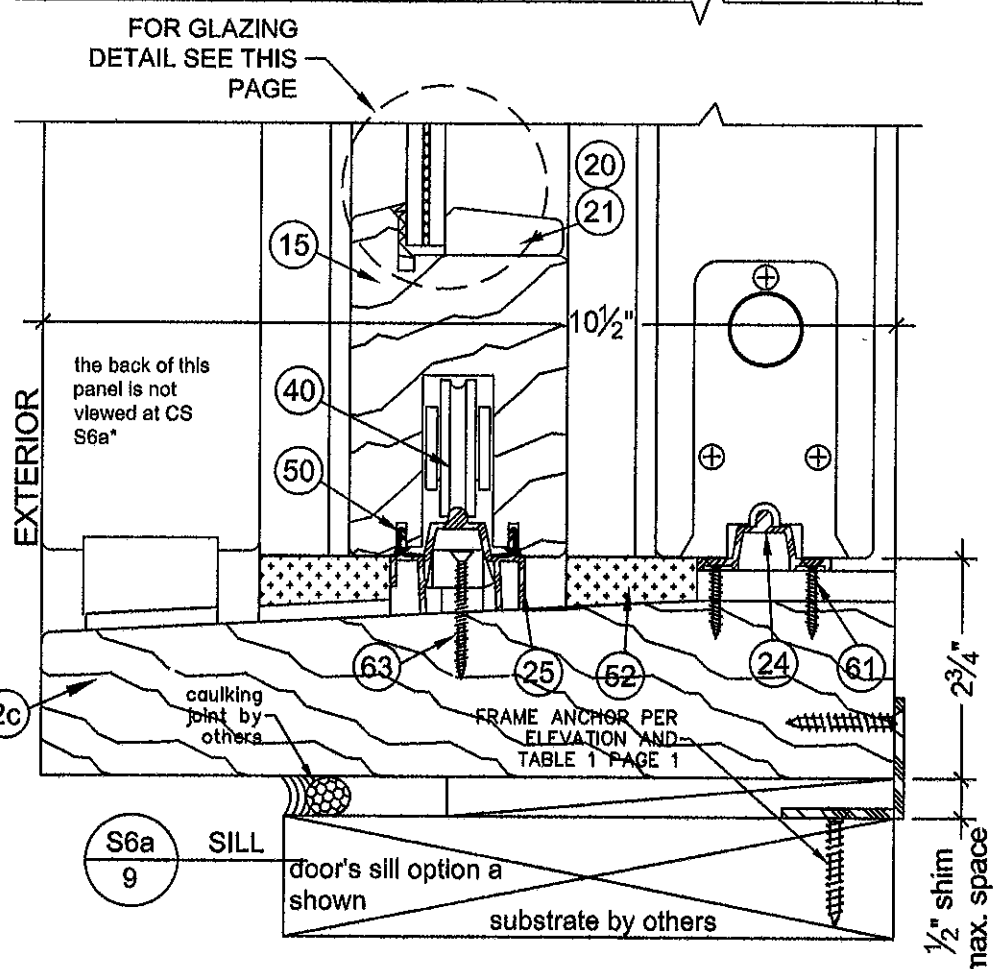
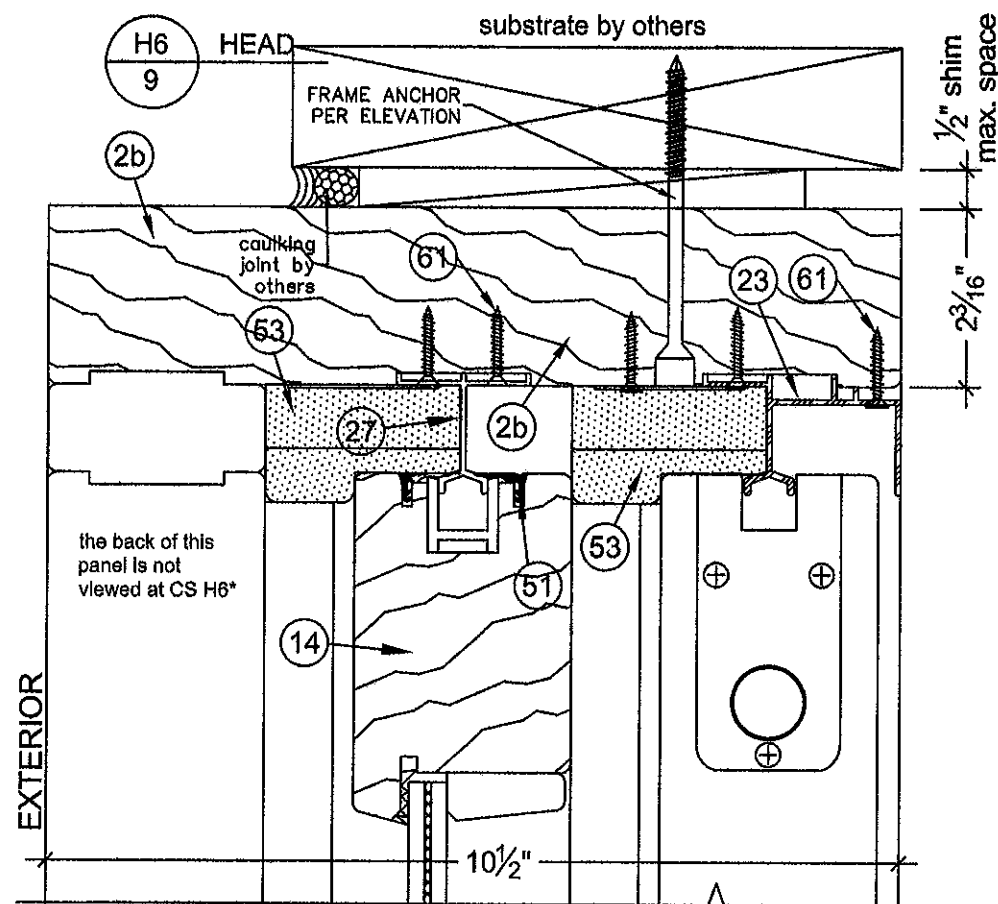
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NOAH 16-0708.03
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By [Signature]



ALEXIS SPYROU
FLORIDA P. E. NO. 68101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520



GLAZING DETAILS

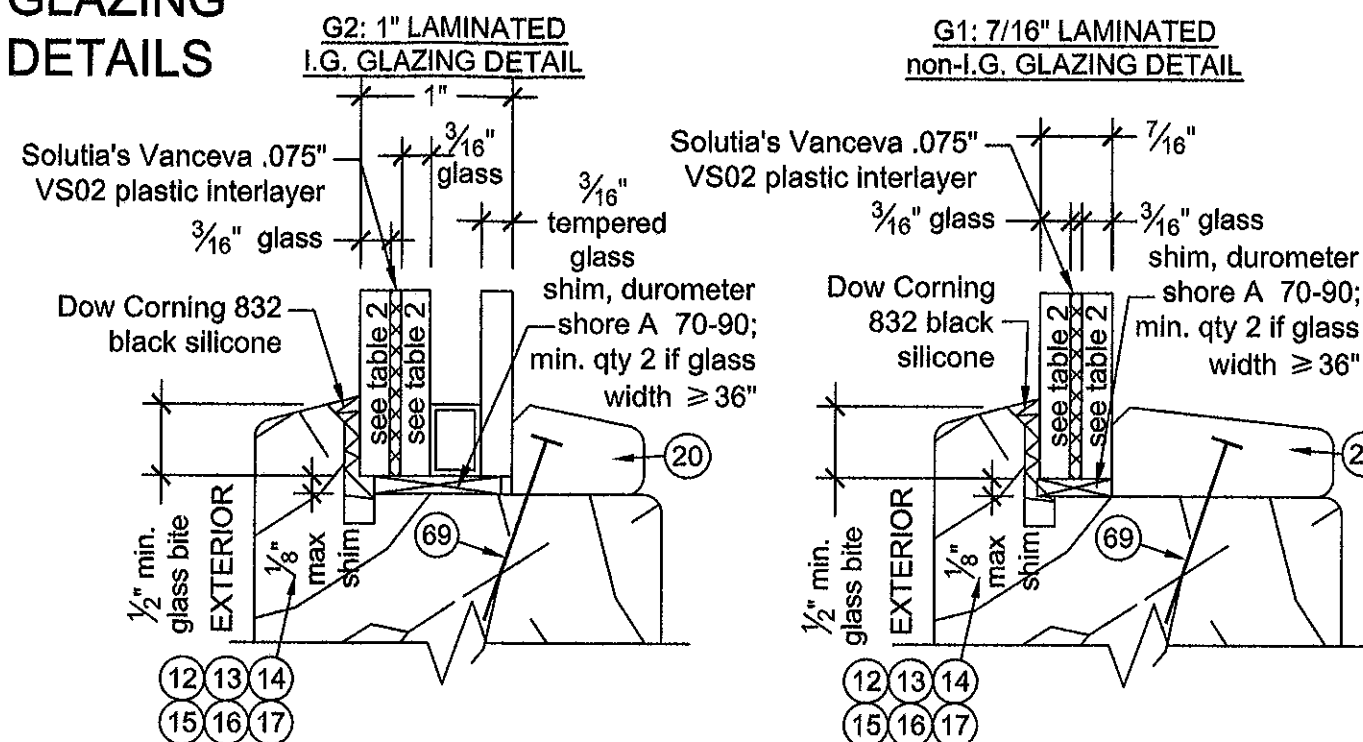


TABLE 2: LAMINATED GLASS TYPE

DLO HEIGHT (in.)	DOUBLE GLAZED LITE DLO WIDTH (IN.)			
	DLO WIDTH (in.)			
	36	42	48	51 5/16
72	Ann.	Ann.	Ann.	Ann.
78	Ann.	Ann.	Ann.	Ann.
84	Ann.	Ann.	Ann.	Ann.
90	Ann.	Ann.	Ann.	Ann.
96	Ann.	Ann.	Ann.	H. S.
102	Ann.	Ann.	H. S.	H. S.
108	Ann.	Ann.	H. S.	H. S.
111 5/16	Ann.	Ann.	H. S.	H. S.
DLO HEIGHT (in.)	SINGLE GLAZED LITE			
	DLO WIDTH (in.)			
	36	42	48	51 5/16
72	Ann.	Ann.	Ann.	Ann.
78	Ann.	Ann.	Ann.	Ann.
84	Ann.	Ann.	Ann.	Ann.
90	Ann.	Ann.	Ann.	H. S.
96	Ann.	Ann.	H. S.	H. S.
102	Ann.	H. S.	H. S.	H. S.
108	Ann.	H. S.	H. S.	H. S.
111 5/16	Ann.	H. S.	H. S.	H. S.

Note: Ann.: Annealed glass; H.S.: Heath Strengthened



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE Drawn by: S. Marcotte

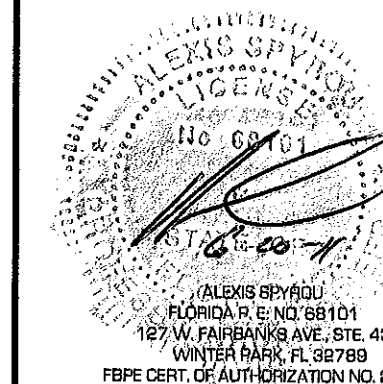
Date drawn: 05/24/10 Date revised:

File: Page: 9 / 22

Approved as complying with the
Florida Building Code

Date: 07/21/2011
NOAH 10-8708.03
Miami Dade Product Control

By: [Signature]





1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

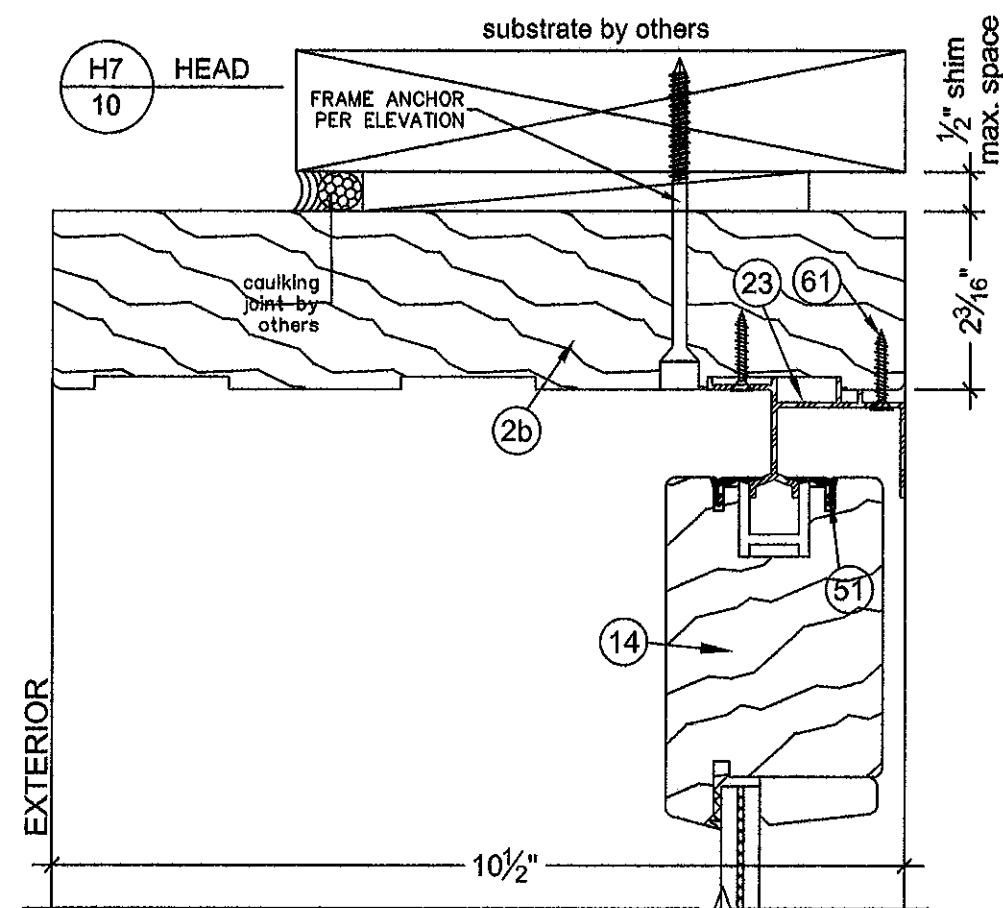
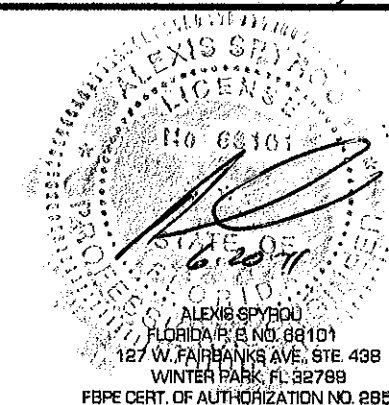
Drawing no.: MQ-LSD-M1

Scale: NONE
Drawn by: S. Marcotte

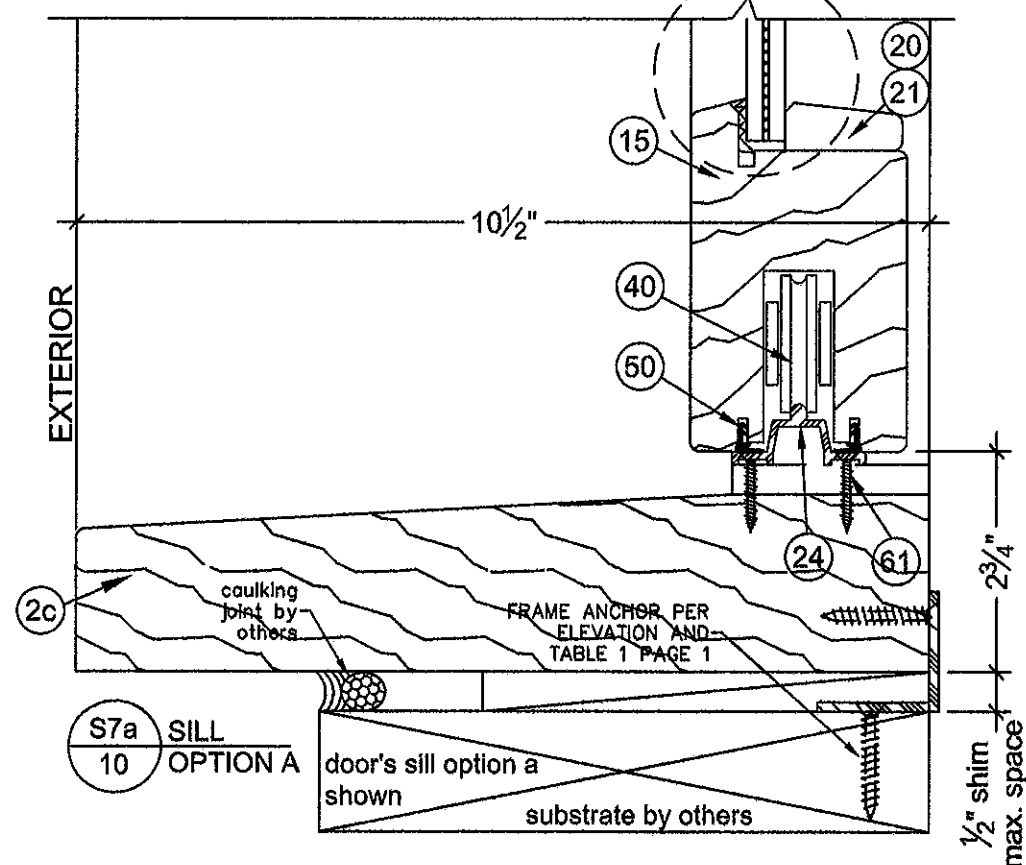
Date drawn: 05/24/10
Date revised:

File: Page: 10 / 22

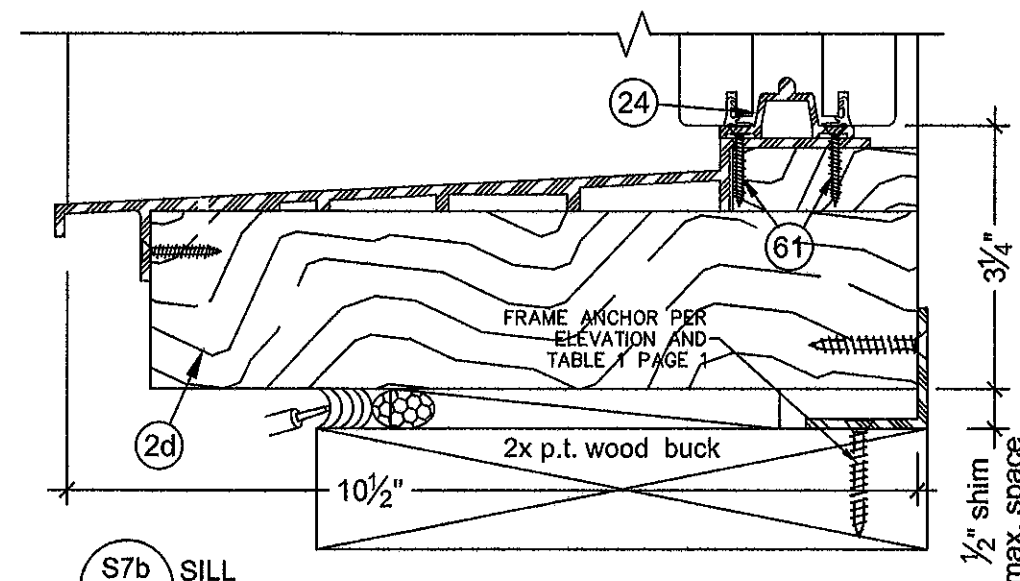
Approved as complying with the
Florida Building Code
Date 07/24/2011
NOA# 10-070803
Miami-Dade Product Control
By *[Signature]*



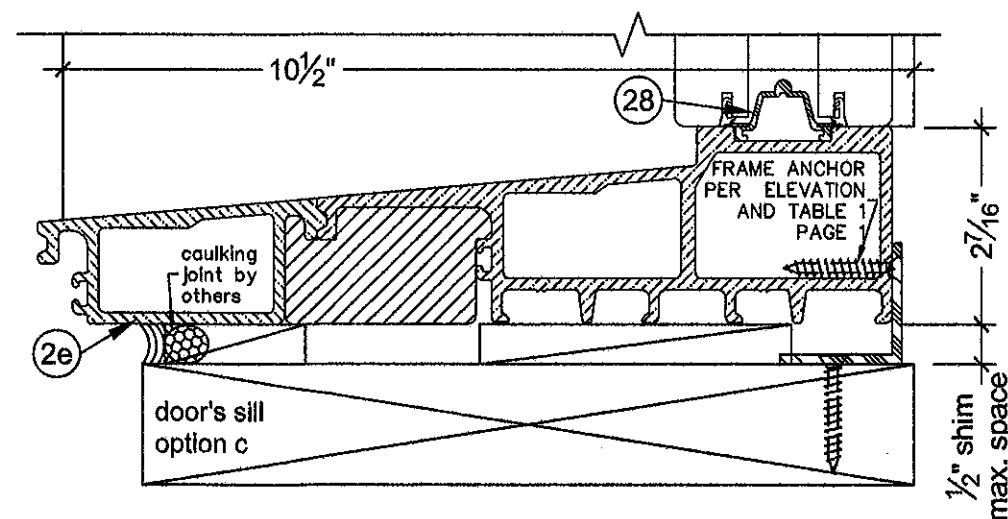
FOR GLAZING
DETAIL SEE PAGE 9



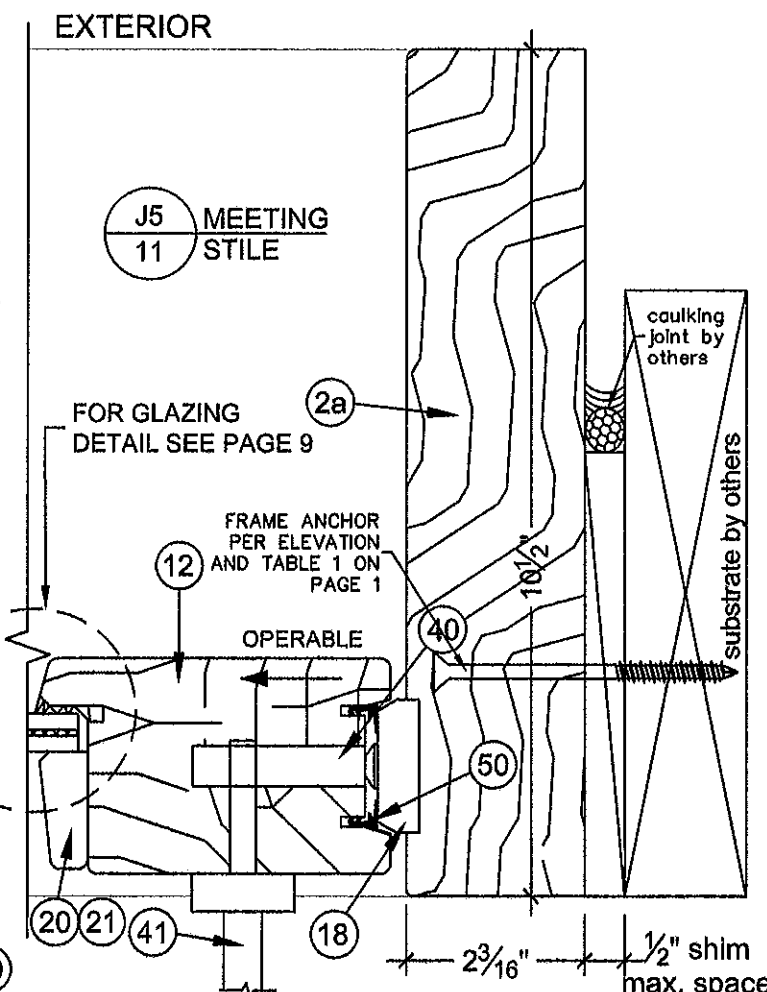
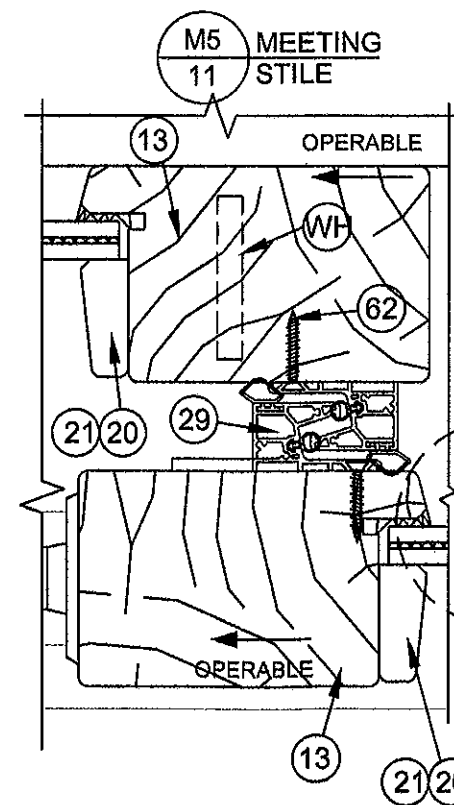
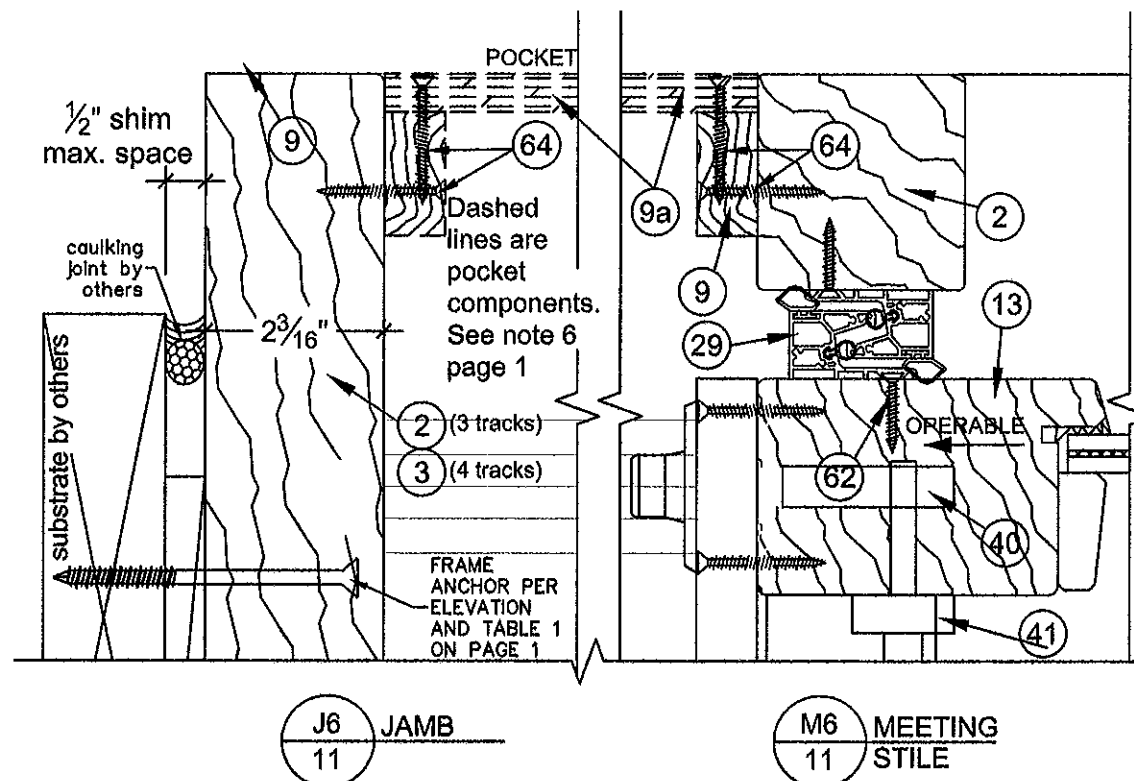
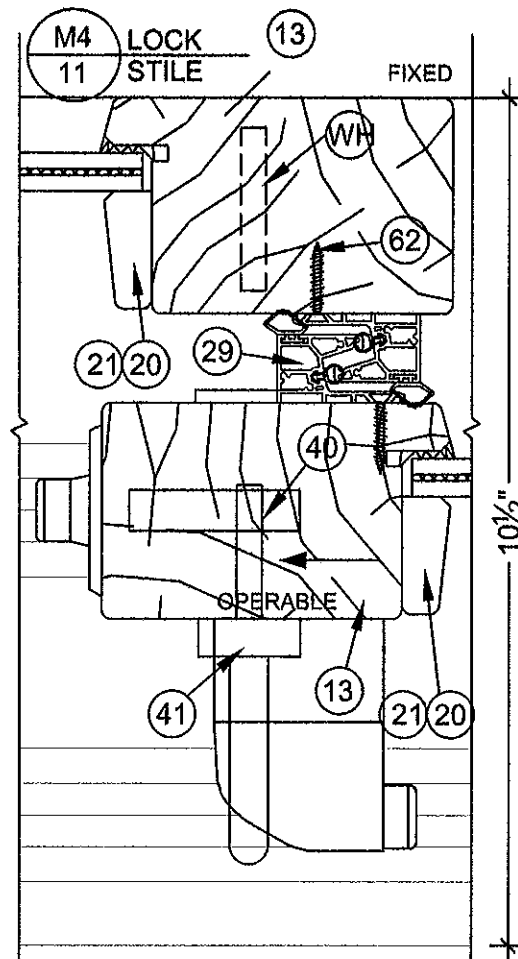
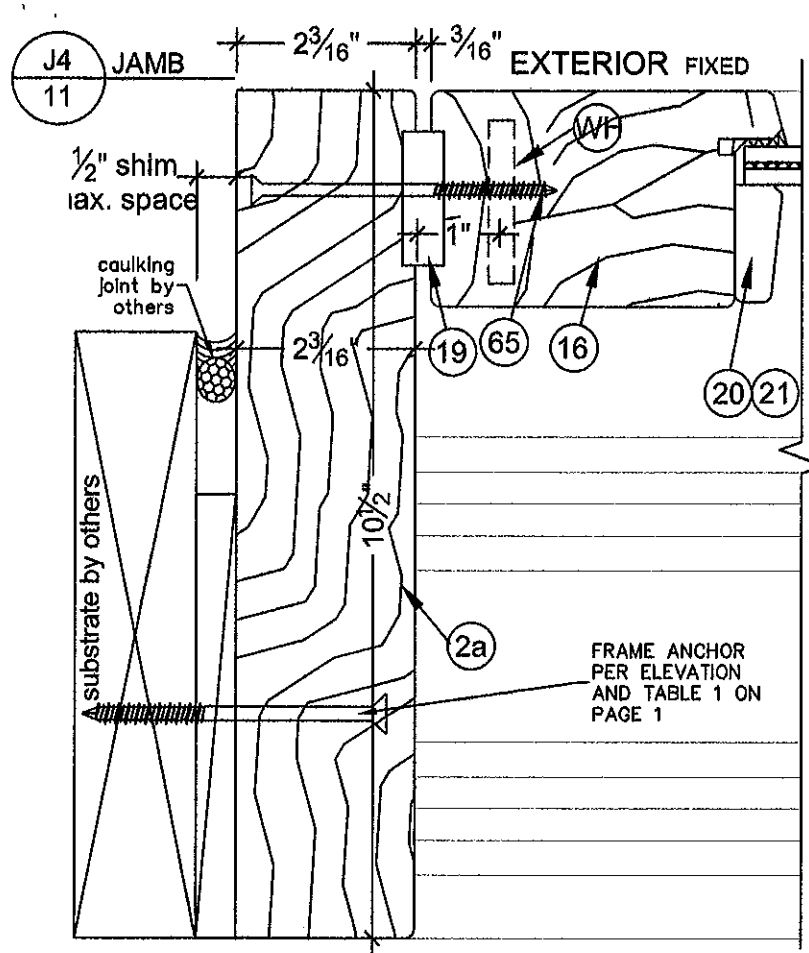
S7a
10 SILL
OPTION A



S7b
10 SILL
OPTION B



S7c
10 SILL
OPTION C



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

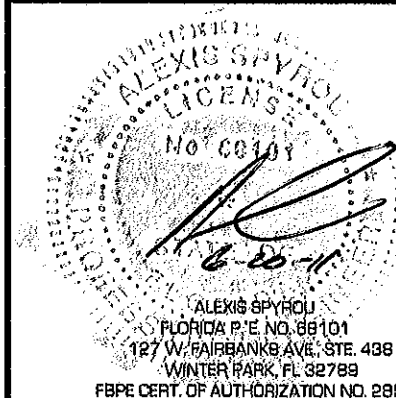
Drawing no.: MQ-LSD-M1

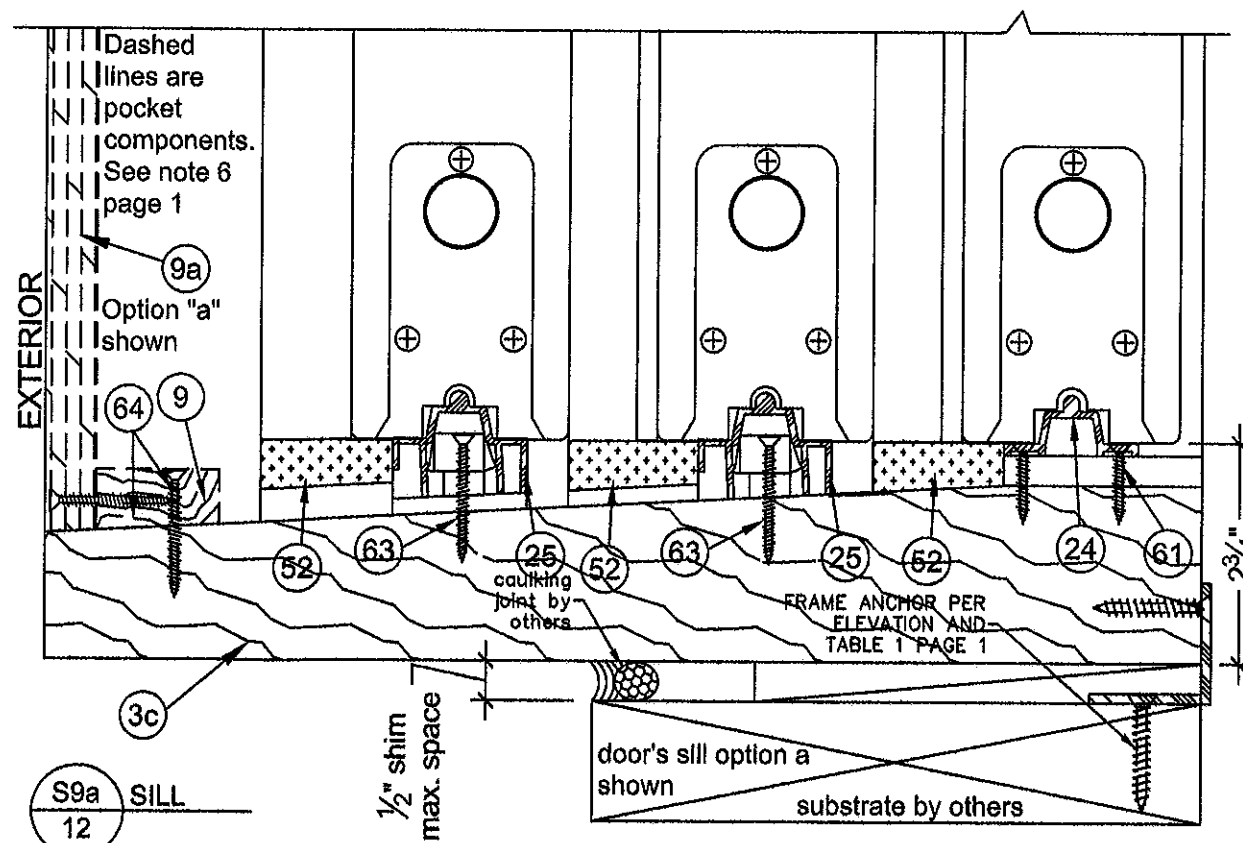
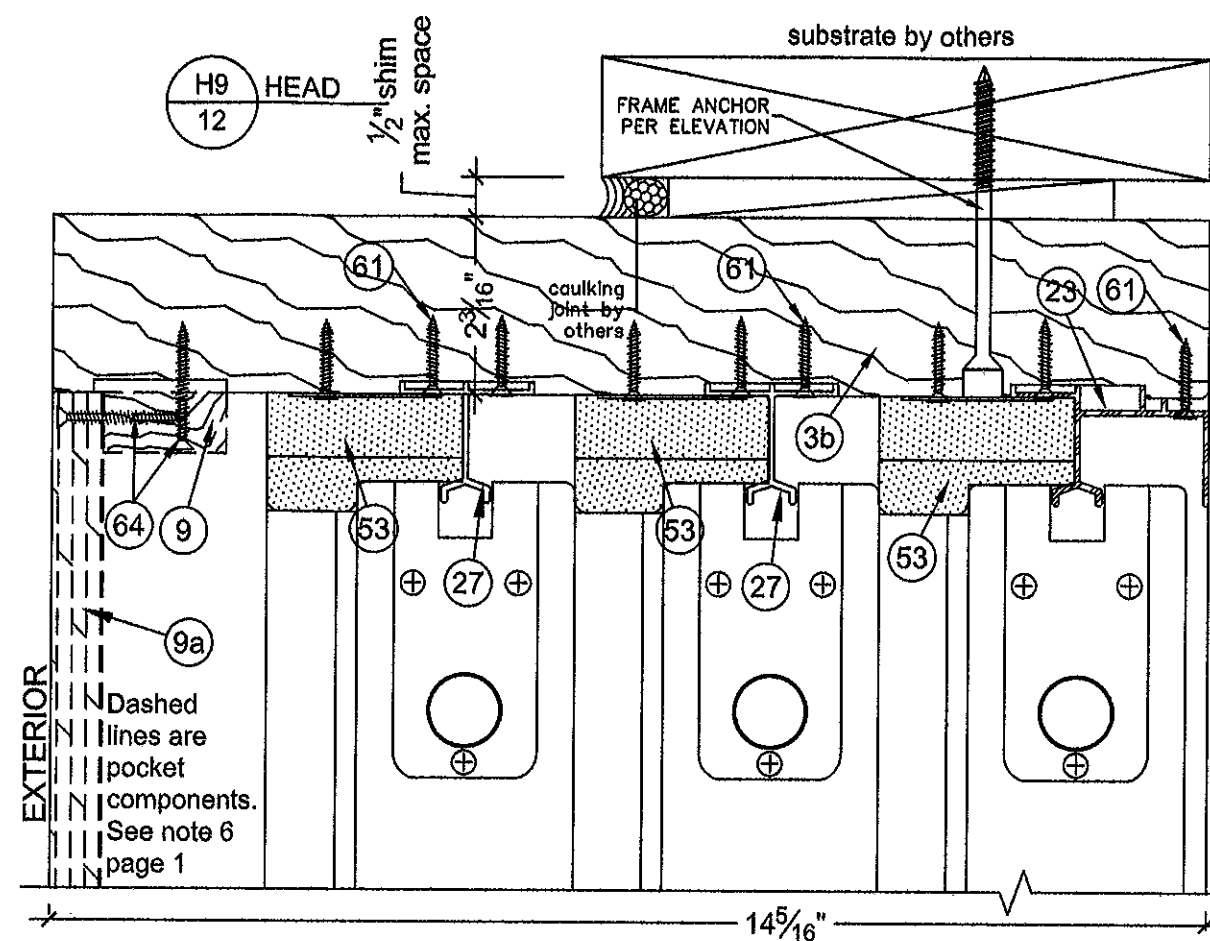
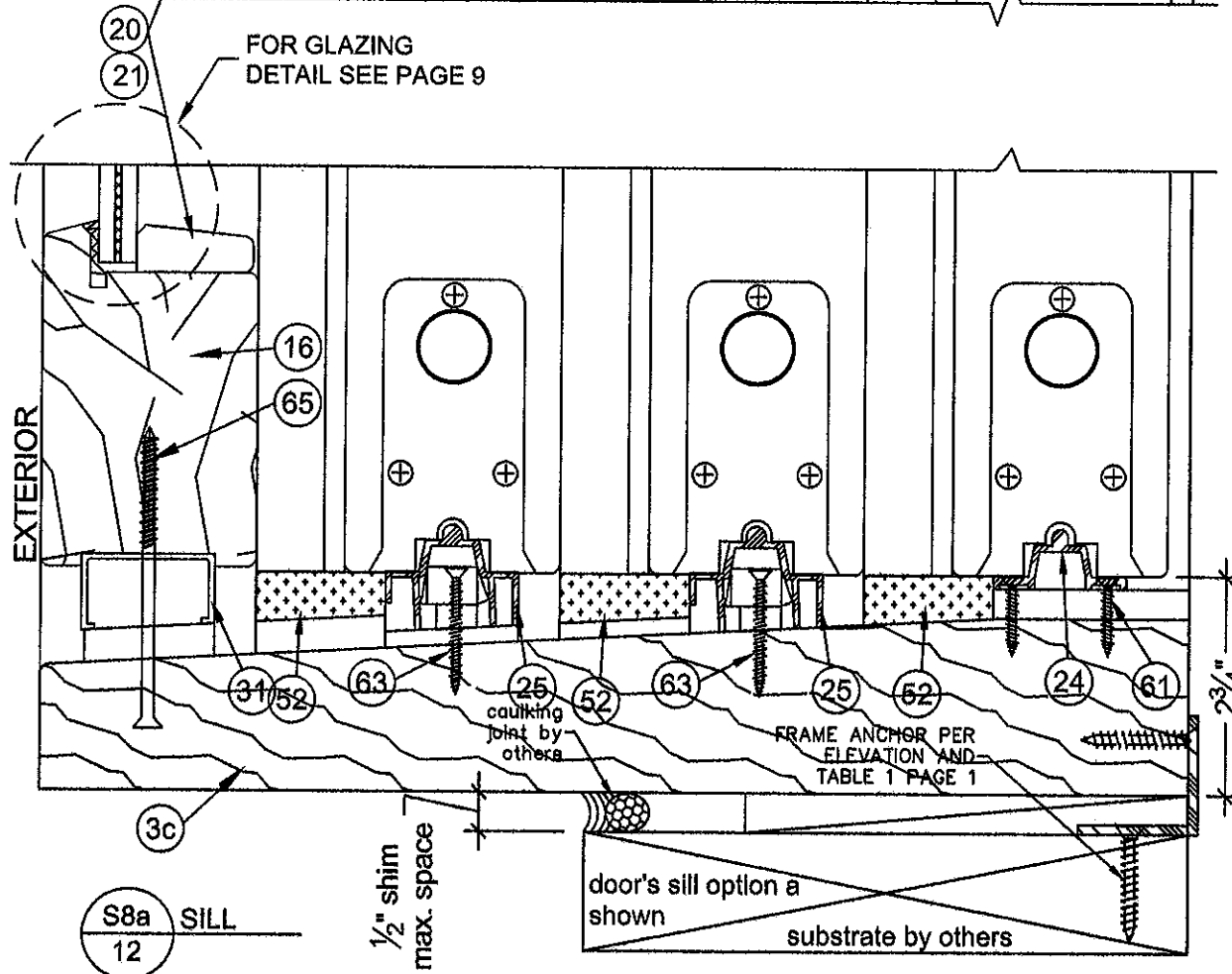
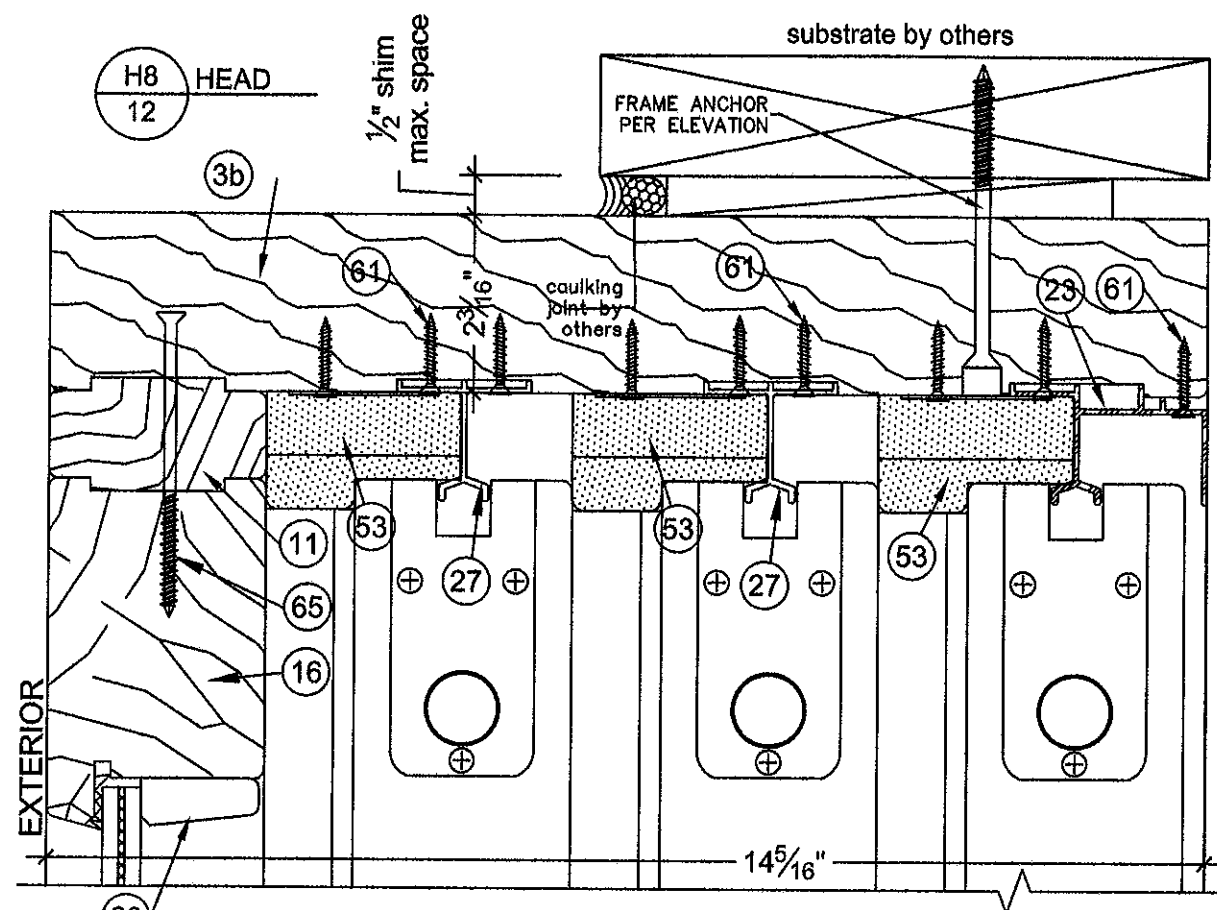
Scale: NONE Drawn by: S. Marcotte

Date drawn: 05/24/10 Date revised:

File: Page: 11 / 22

Approved as complying with the
Florida Building Code
Date 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control
By [Signature]





1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

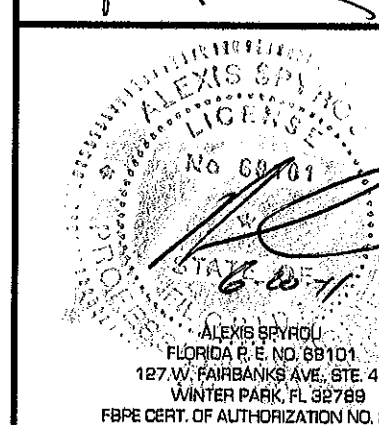
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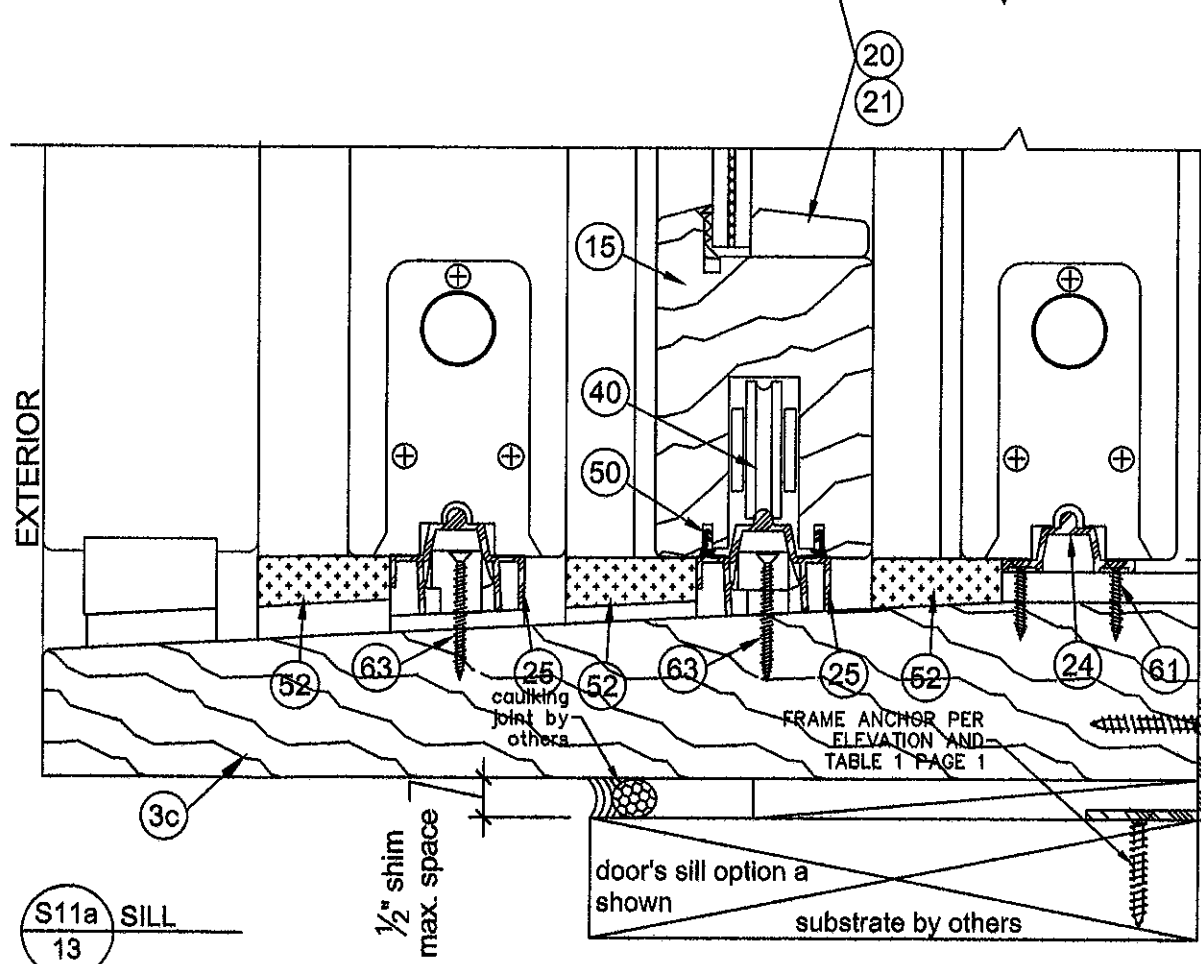
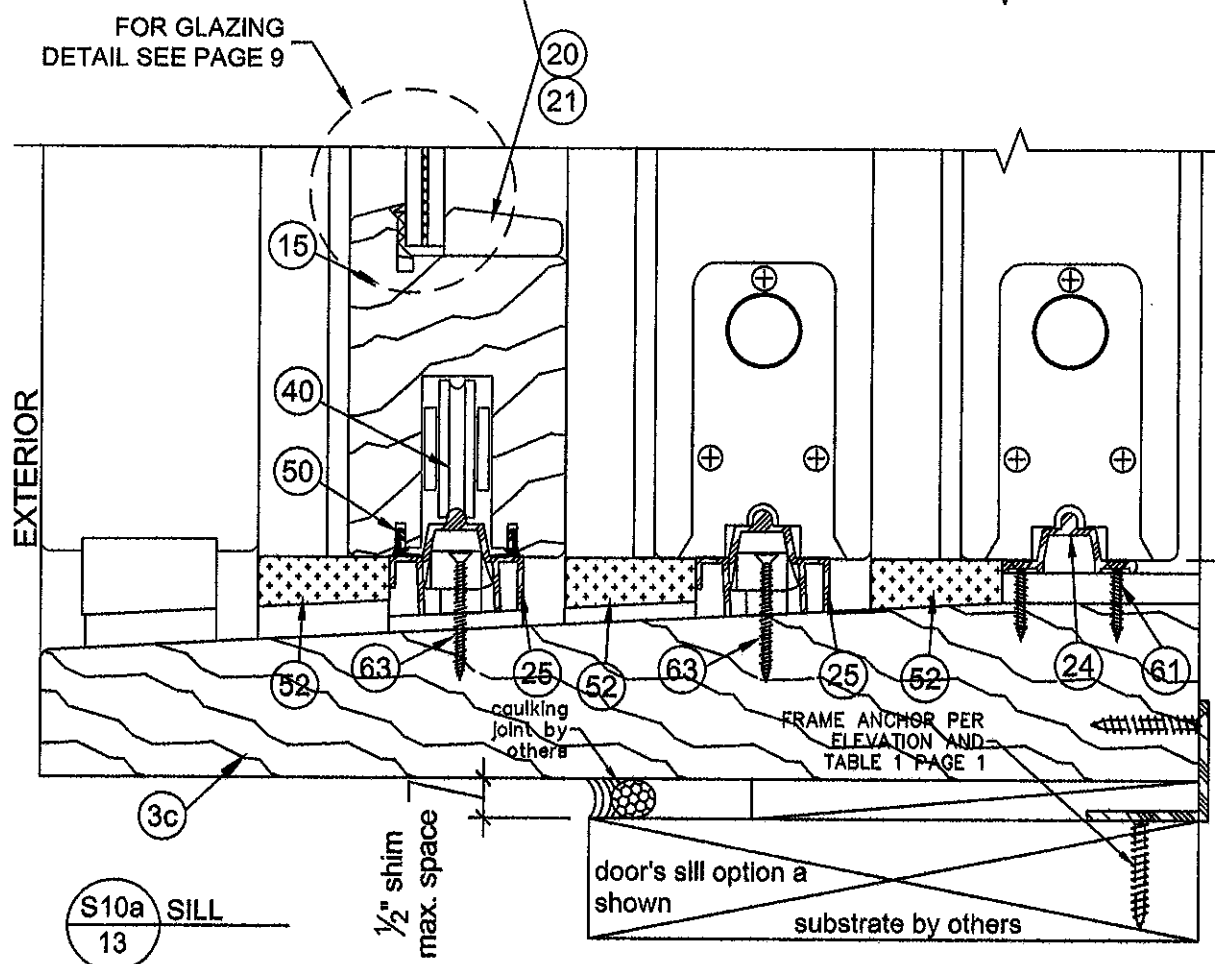
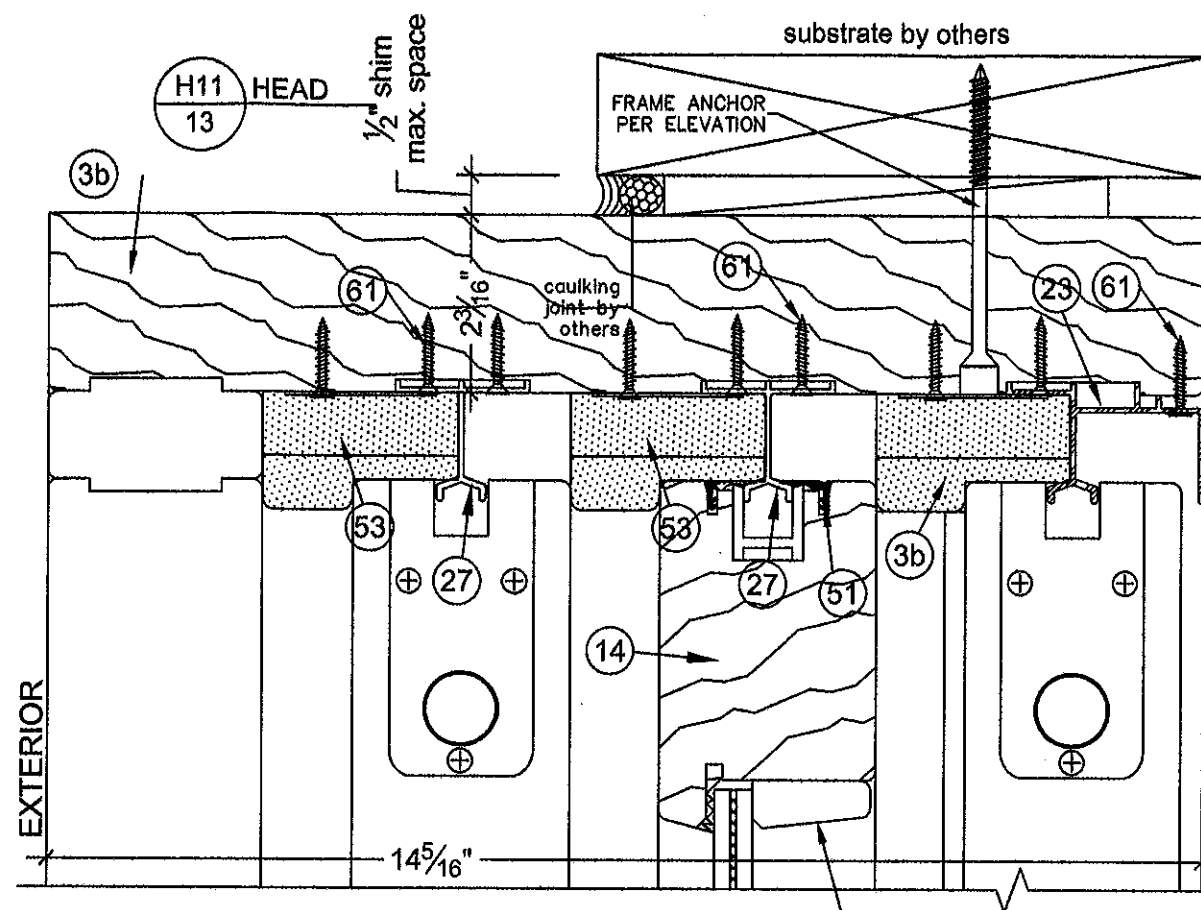
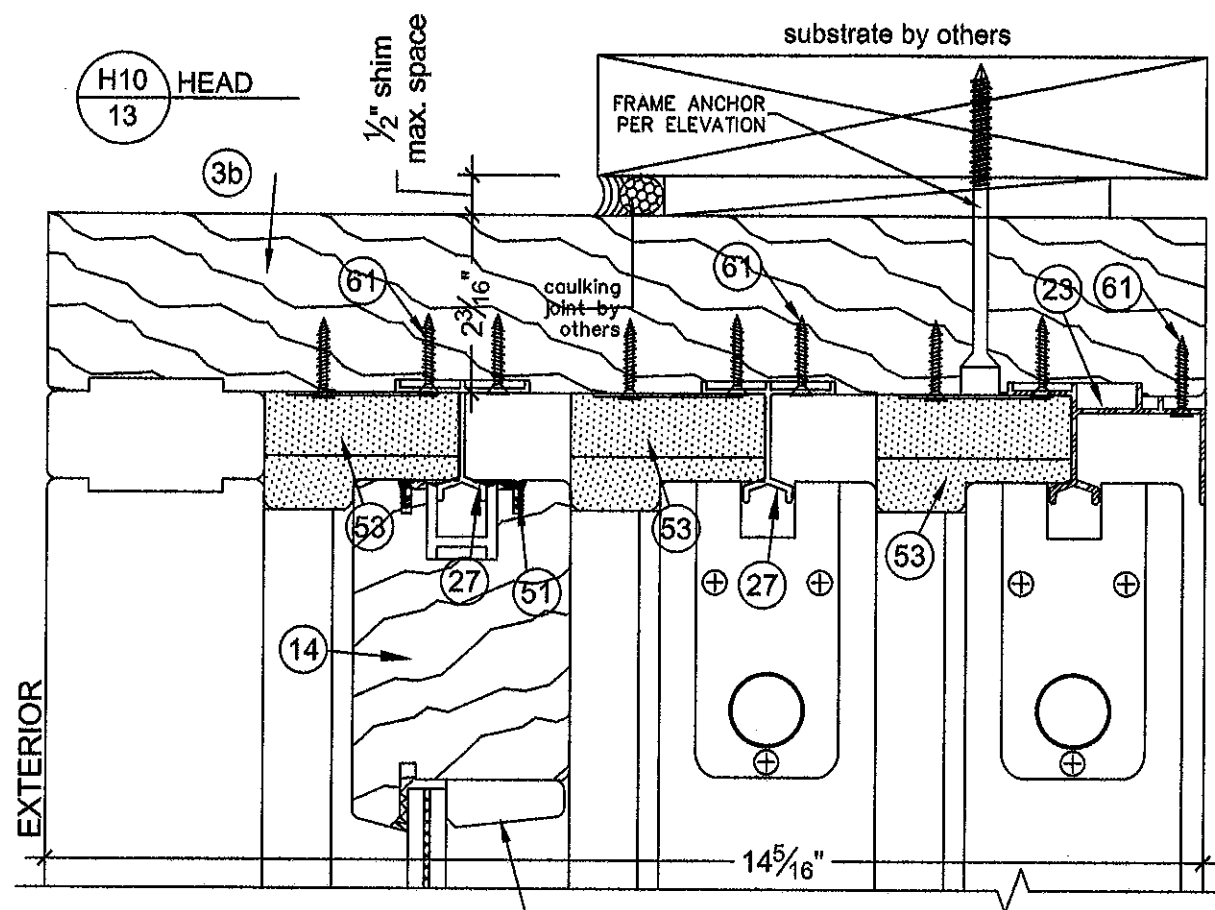
Date drawn: 05/24/10 Date revised:

File: Page: 12 / 22

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Florida Building Code
Date 07/24/2011
NOA# 10-0708.03
Miami Dade Product Control

By: [Signature]





1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

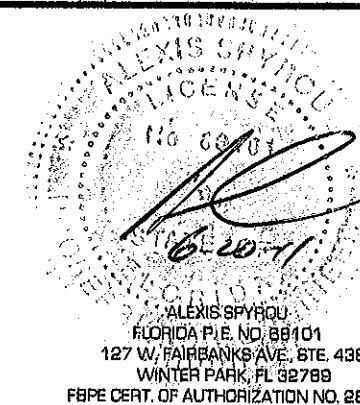
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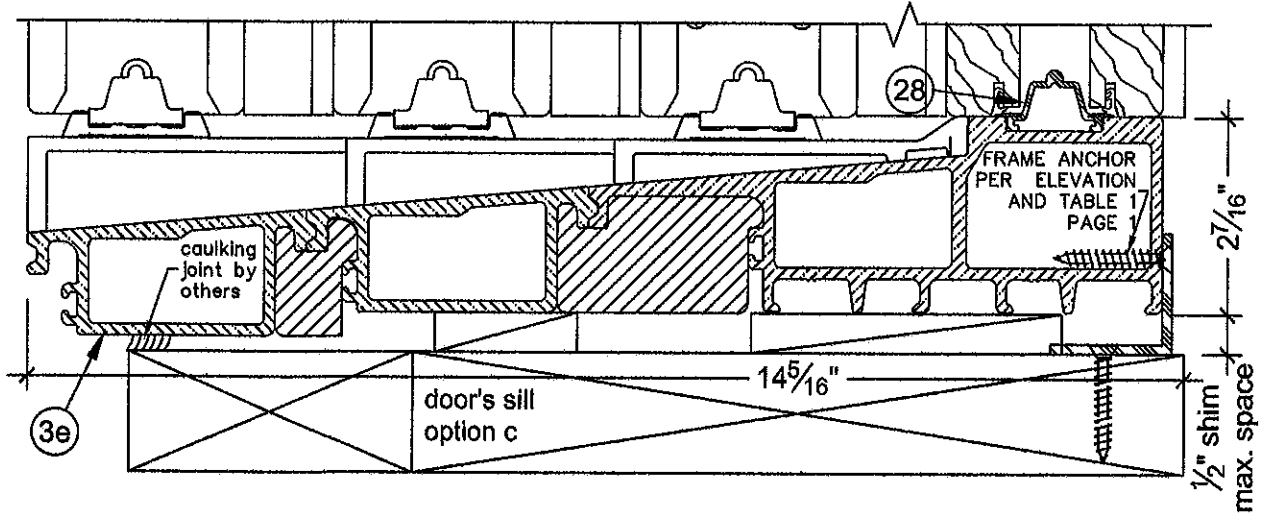
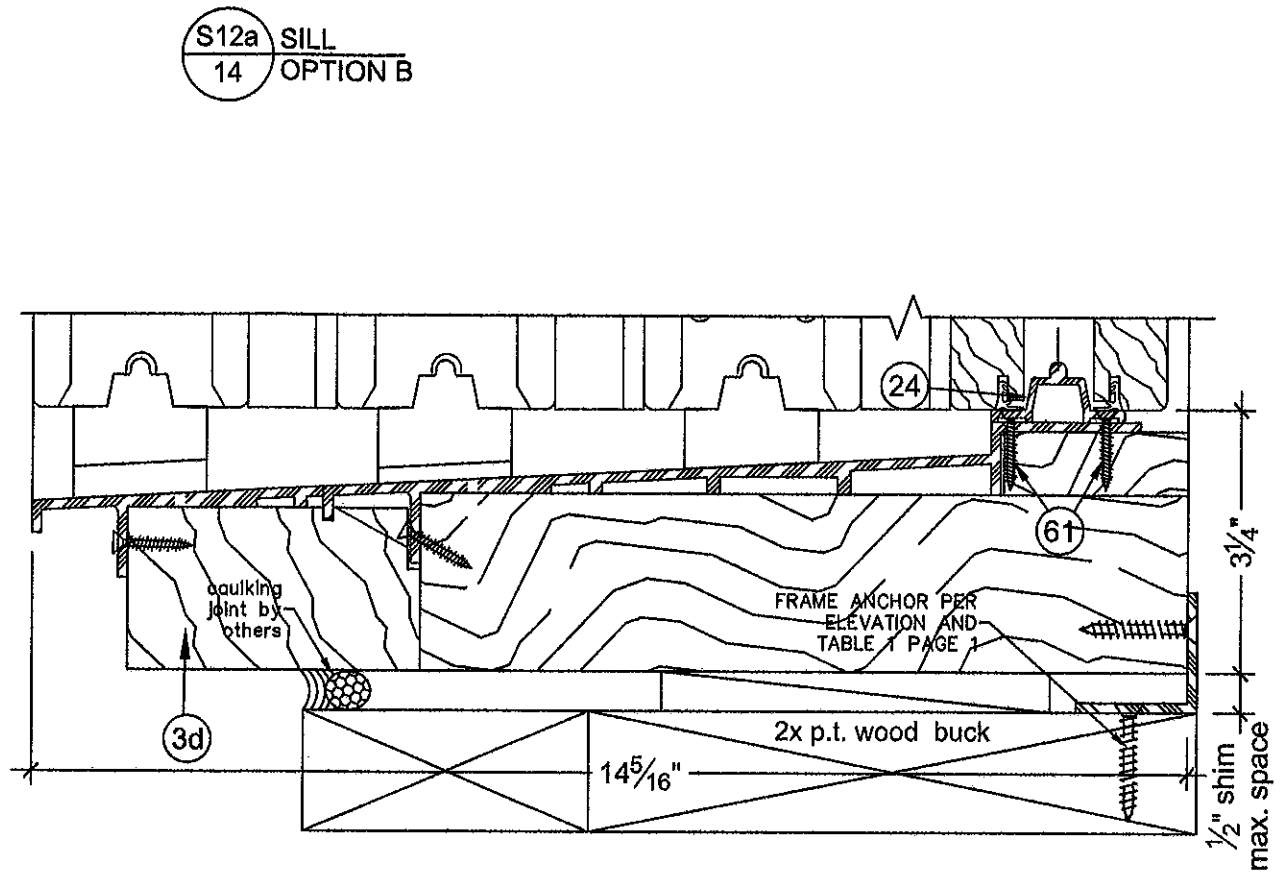
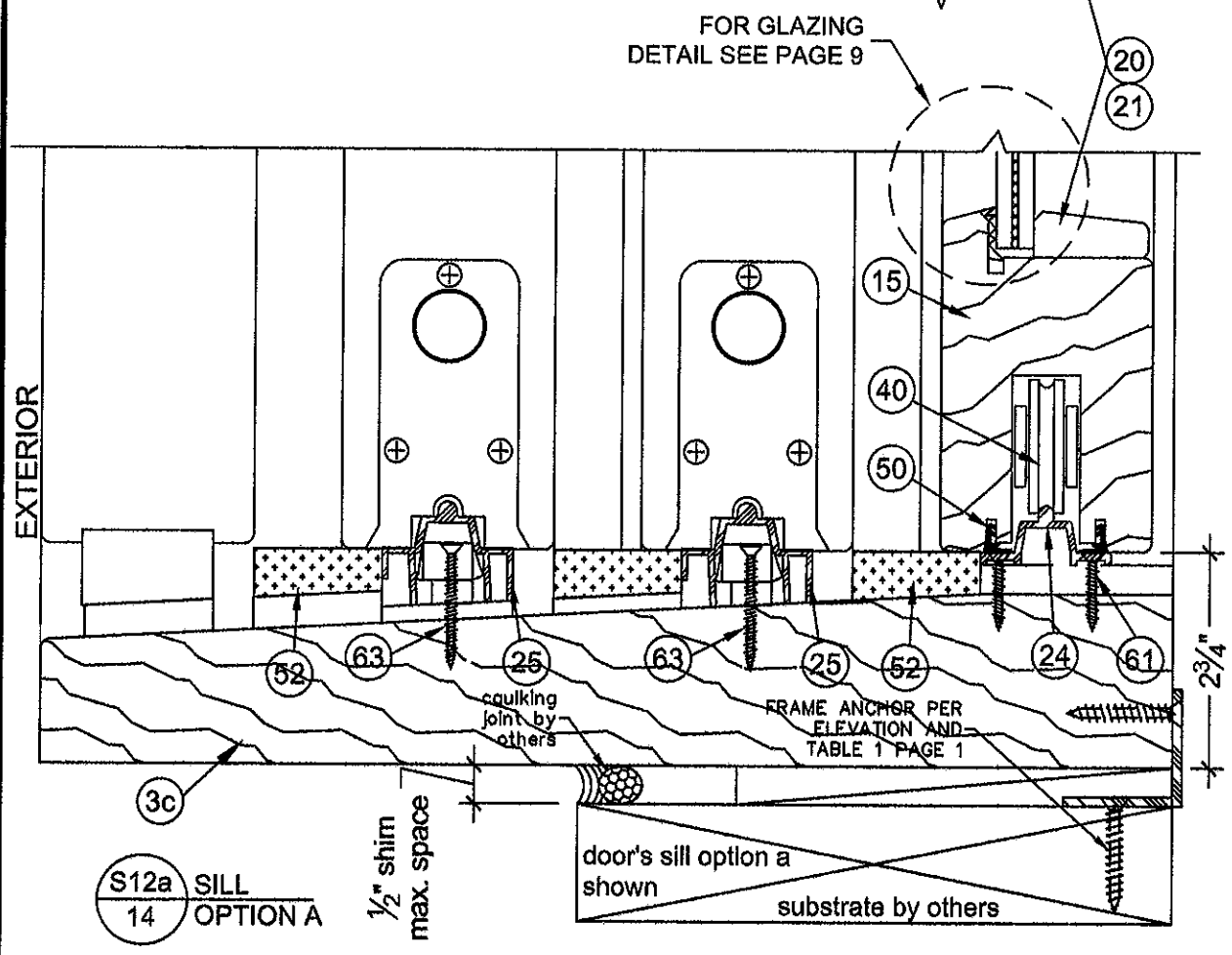
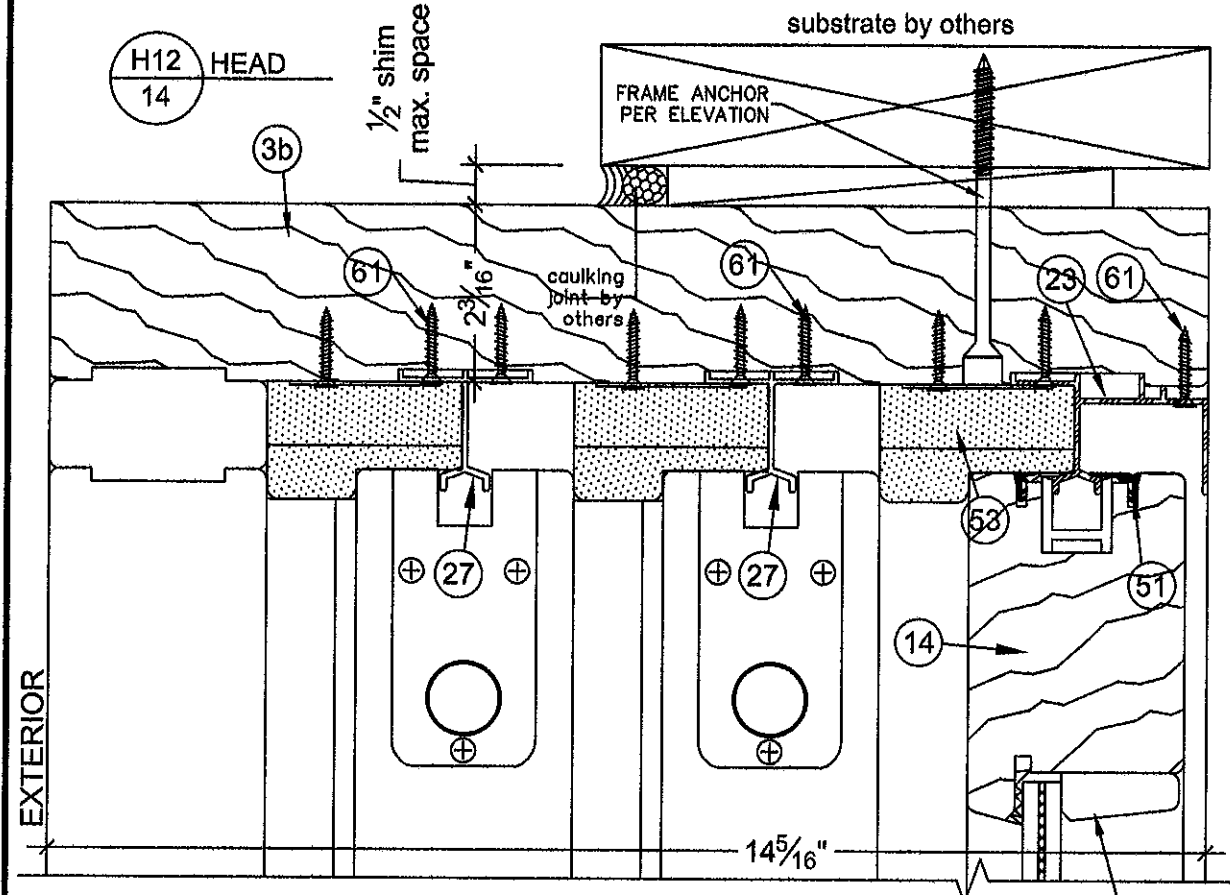
Scale: NONE
Drawn by: S. Marcotte

Date drawn: 05/24/10
Date revised:

File: Page: 13 / 22

Approved as complying with the
Florida Building Code
Date 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control
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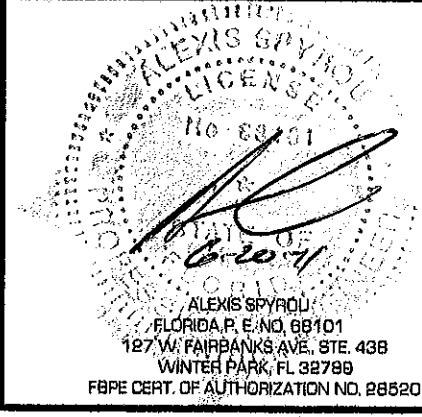
1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1	
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 14 / 22

Approved as complying with the
Florida Building Code
Date: 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control

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1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE
Drawn by: S. Marcotte

Date drawn: 05/24/10
Date revised:

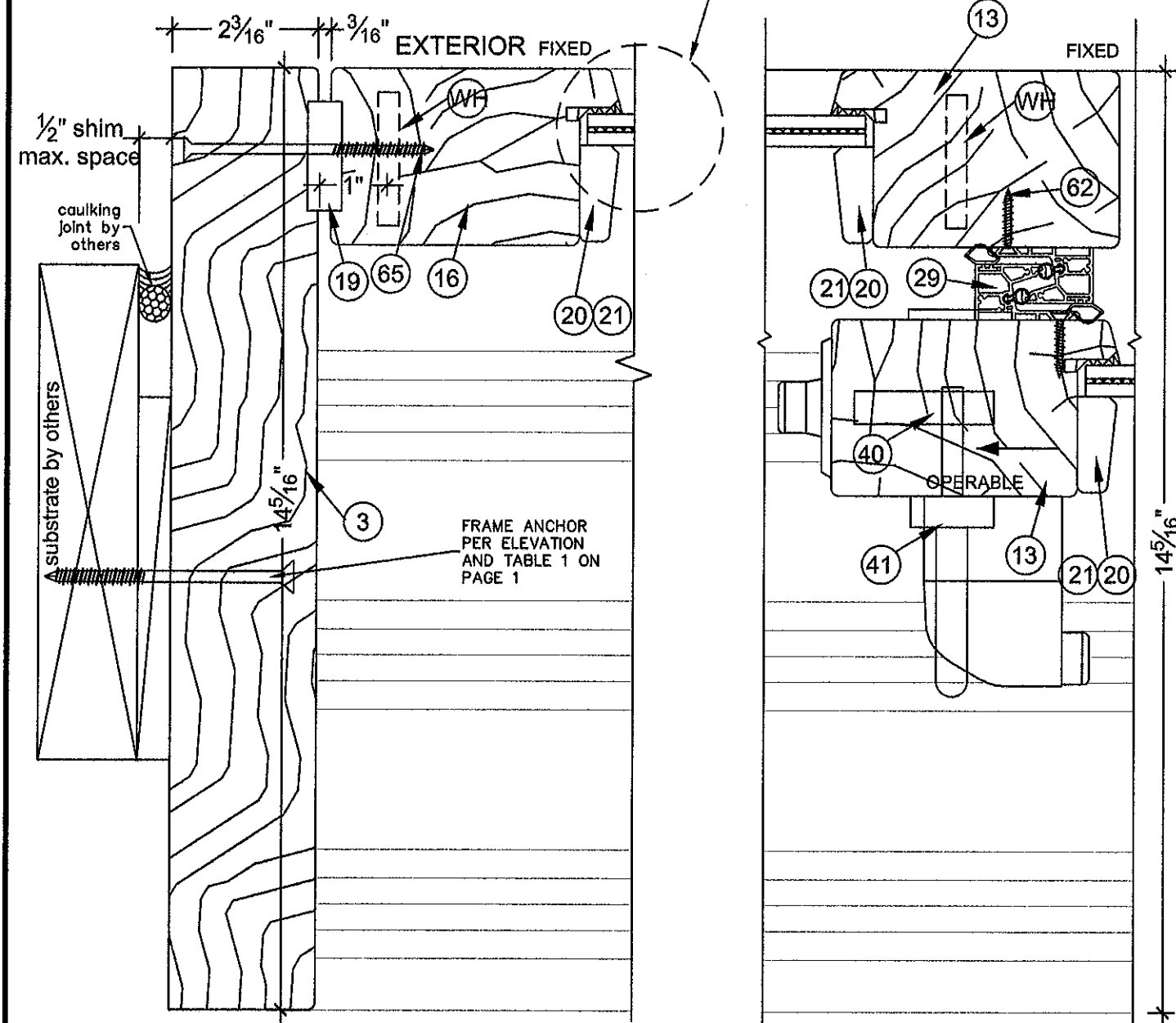
File: Page: 15 / 22

Approved as complying with the
Florida Building Code
Date: 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control

By: *[Signature]*

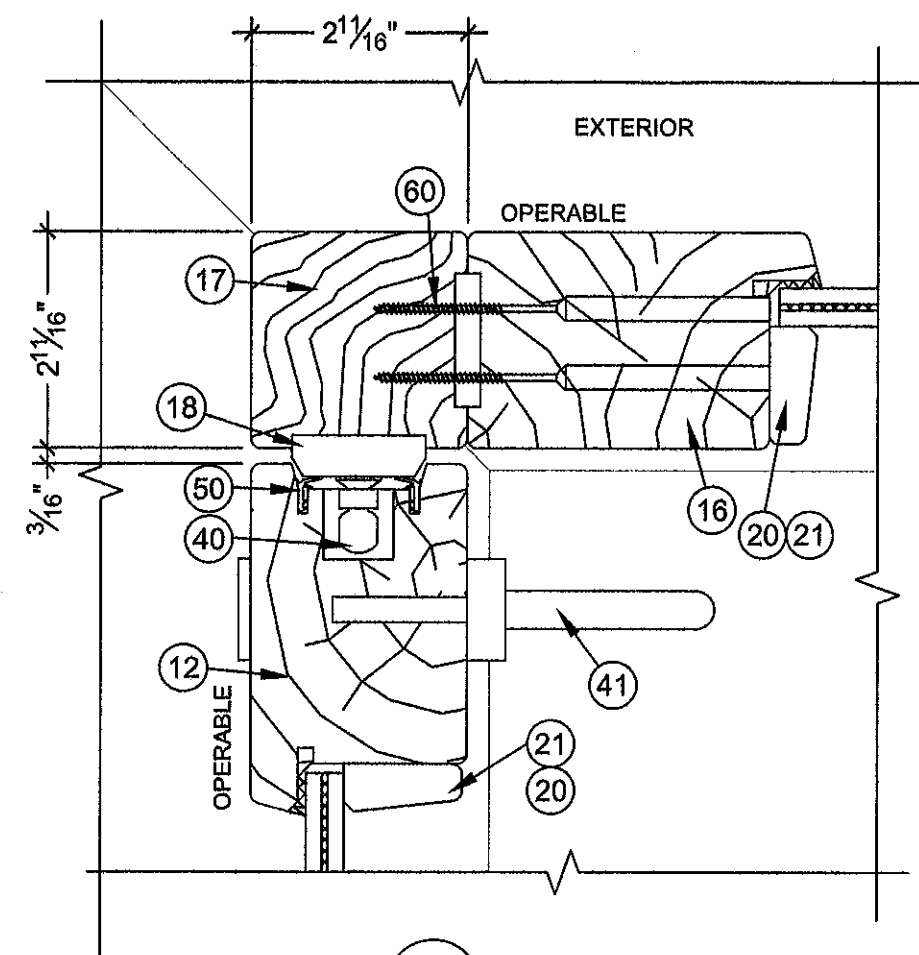


FOR GLAZING
DETAIL SEE PAGE 9

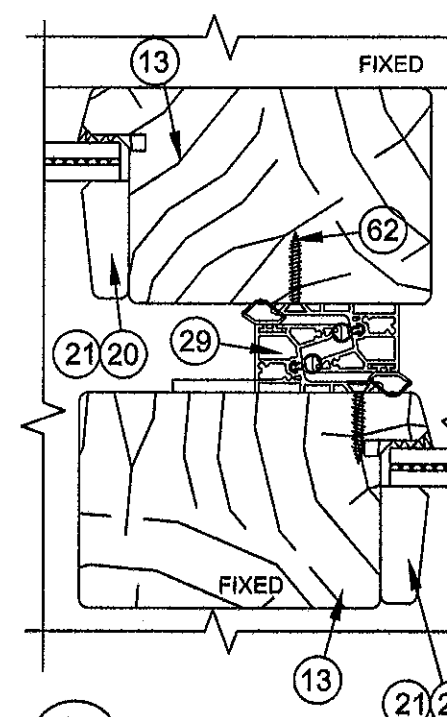


J7 JAMB
15

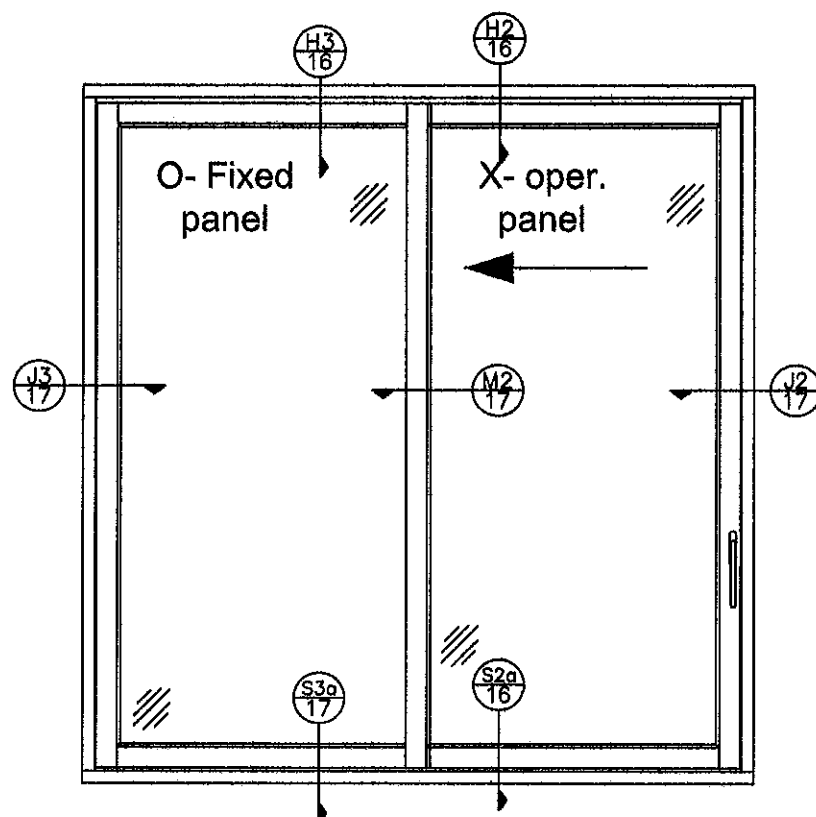
M7 LOCK
15 STILE



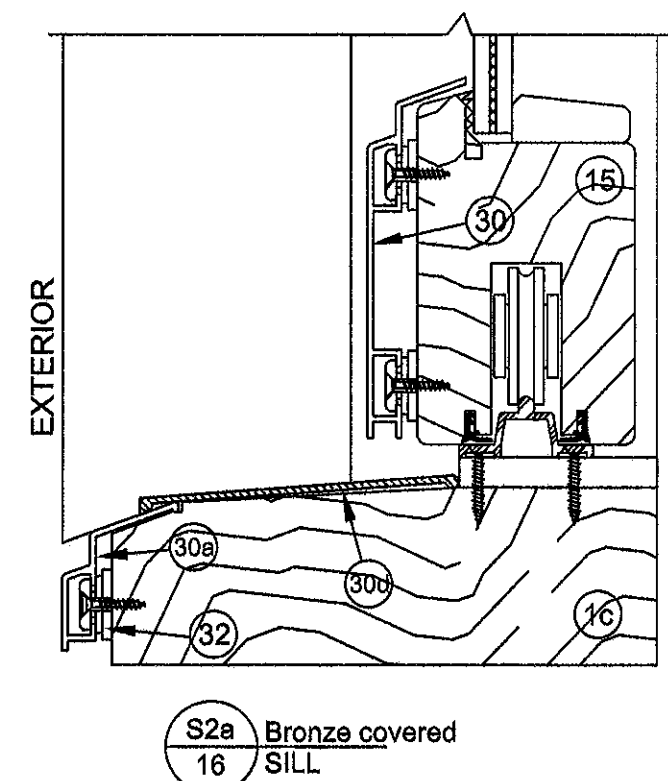
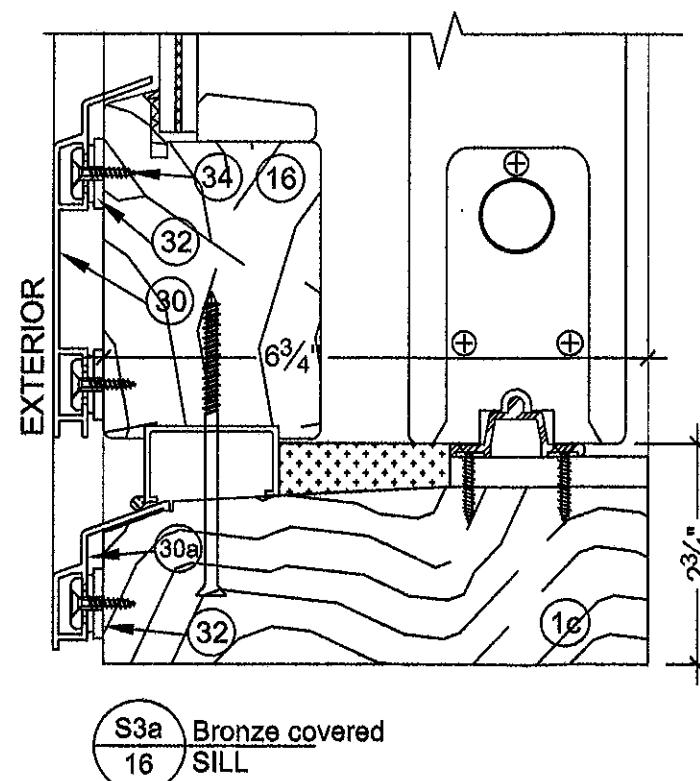
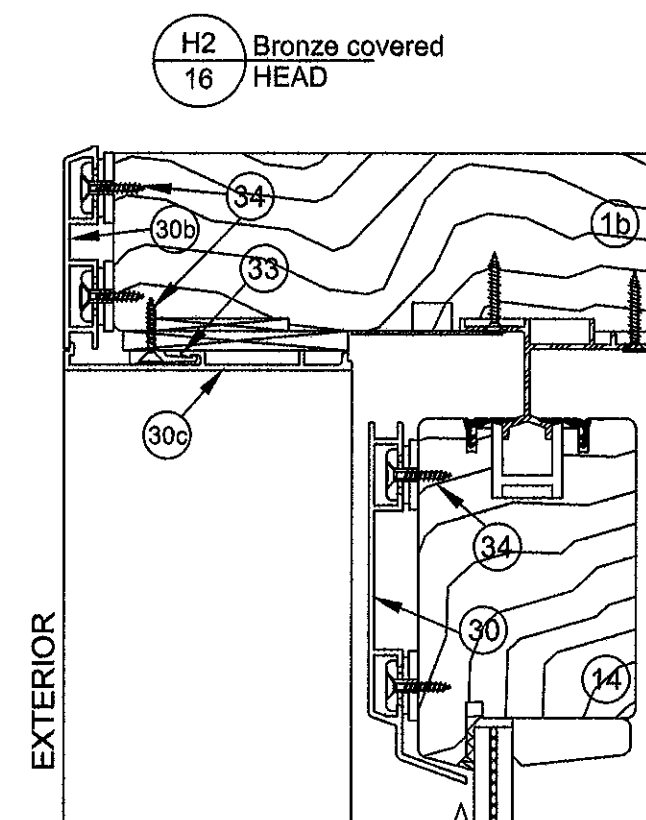
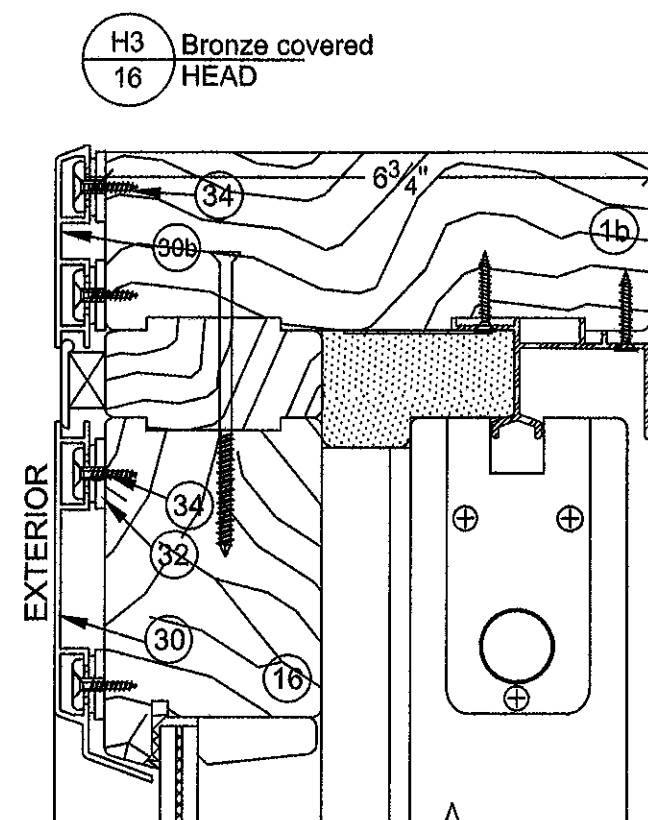
M3 CORNER LOCK STILE
15 90 degrees (option)



M7a LOCK STILE
15 @ FIXED - FIXED (option)



CROSS SECTIONS ON PAGE 16 & 17 ARE EXAMPLES TO SHOW THE GENERAL OPTION OF CLADDING WITH BRONZE OR ALUMINUM PROFILES THE STANDARD PROFILES FOUND THROUGHOUT THIS APPROVAL.



FOR SIMPLIFICATION, ONLY CLAD PROFILES ARE NOTED. FOR OTHER PARTS NUMBER PLEASE REFER TO CORRESPONDING CROSS SECTIONS ON PAGES 6 & 7. FOR ASSEMBLY LIST REFER TO PAGE 17.

FOR MORE INFORMATION RELATED TO THE ELEVATION SHOWN ON THIS PAGE PLEASE REFER TO THOSE ON PAGE 1



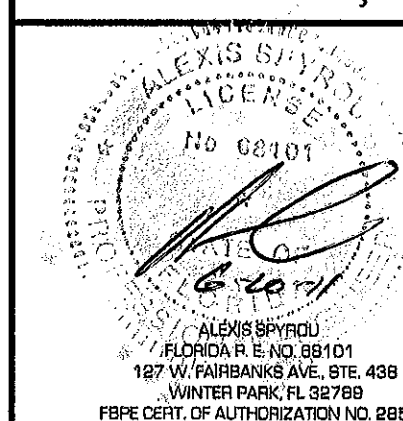
1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 16 / 22

Approved as complying with the
Florida Building Code
Date 07/21/2011
NOA# 12-0703.03
Miami Dade Product Control
By *[Signature]*



CROSS SECTIONS ON PAGE 16 & 17 ARE EXAMPLES TO SHOW THE GENERAL OPTION OF CLADDING WITH BRONZE OR ALUMINUM PROFILES THE STANDARD PROFILES FOUND THROUGHOUT THIS APPROVAL.



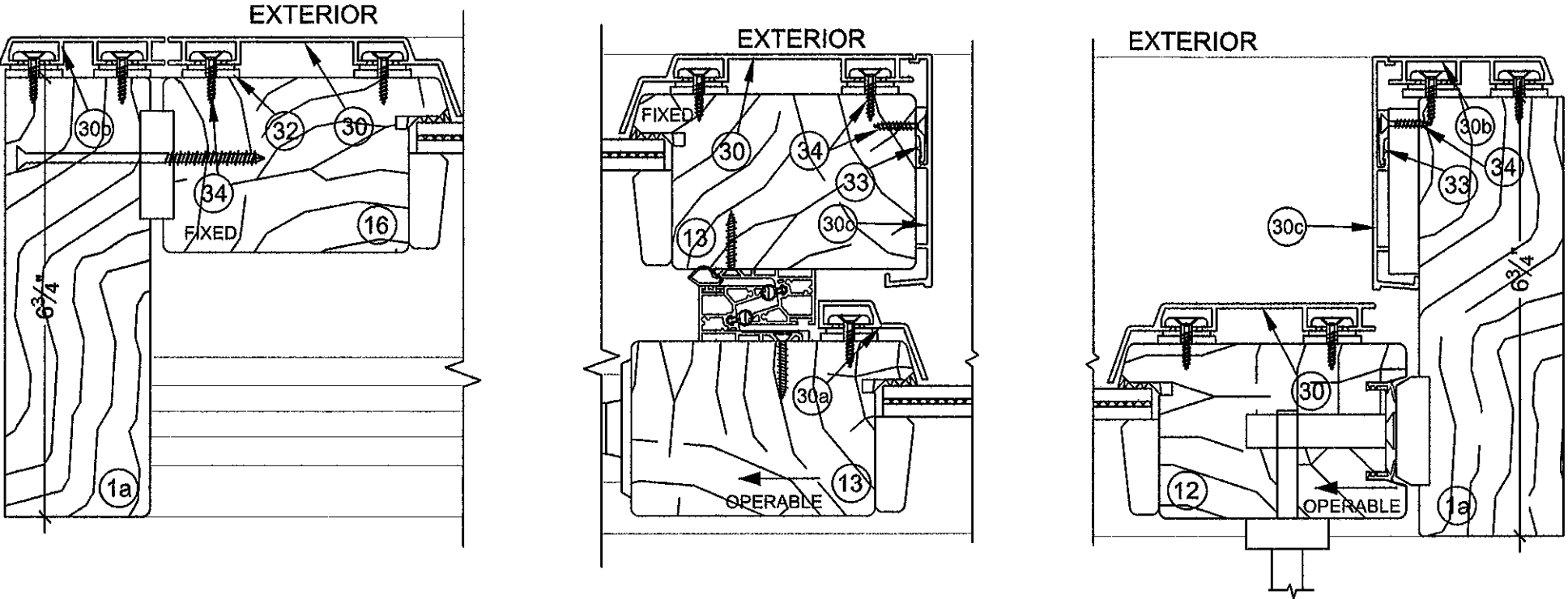
1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD
SLIDING GLASS IMPACT
DOORS

Drawing no.: MQ-LSD-M1

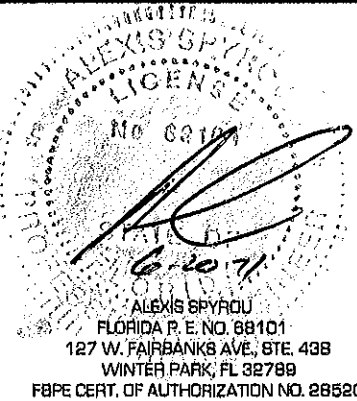
Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 17 / 22

FOR SIMPLIFICATION,
ONLY CLAD PROFILES
ARE NOTED. FOR OTHER
PARTS NUMBER PLEASE
REFER TO
CORRESPONDING CROSS
SECTIONS ON PAGES 6 & 7.
FOR ASSEMBLY LIST SEE
TABLE ON THIS PAGE.

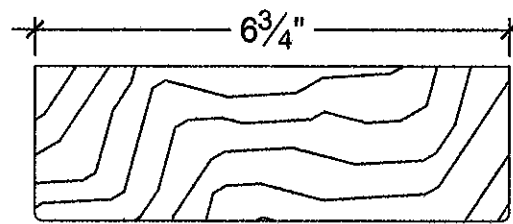


item #	Item description	Manufacturer / notes
WOOD PROFILES		
30	SASH CLAD PROFILE	Proprietary bronze C-385 or aluminum 6063 T5, clipped on (2) part 32 @ 4" from corners & 12" max o/c
30a	SASH CLAD PROFILE (recut from 30)	Proprietary bronze C-385 or aluminum 6063 T5, clipped on (1) part 32 @ 4" from corners & 12" max o/c
30b	FRAME CLAD PROFILE (recut from 30)	Proprietary bronze C-385 or aluminum 6063 T5, clipped on (2) part 32 @ 4" from corners & 12" max o/c
30c	FRAME CLAD PROFILE (side return)	Proprietary bronze C-385 or aluminum 6063 T5, clipped on (1) part 33 @ 4" from ends & 12" max o/c
30d	FRAME CLAD PROFILE (sill)	Proprietary bronze C-385 or aluminum 6063 T5, directly glued over the wood sill with Dow Corning 832 silicone.
32	Nylon clip	For parts 30, 30a, 30b, qty as noted, screwed with (1) screw part no 34
33	Nylon clip	For part 30d, qty as noted, screwed with (1) screw part no 34
34	Nylon clip	#7 x 3/4" fh screw; thru clips parts 32 & 33

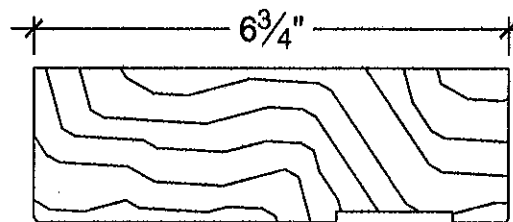
Approved as complying with the
Florida Building Code
Date 07/21/2011
NOA# 10-0708.03
Miami Dade Product Control
By [Signature]



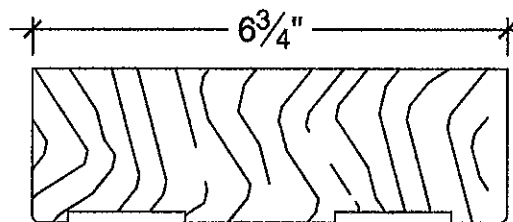
2 TRACKS



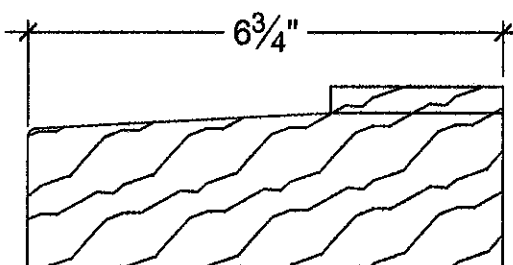
1 JAMB
@pocket



1a JAMB
@Panel

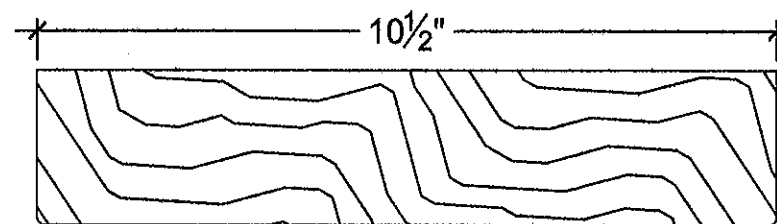


1b HEAD

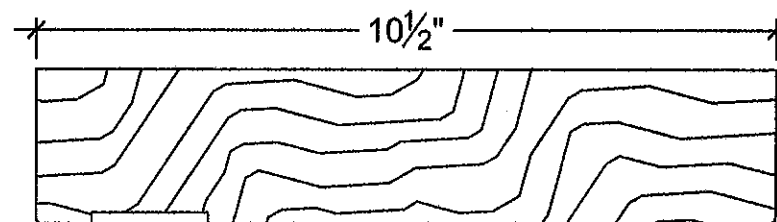


1c Sill
Option a

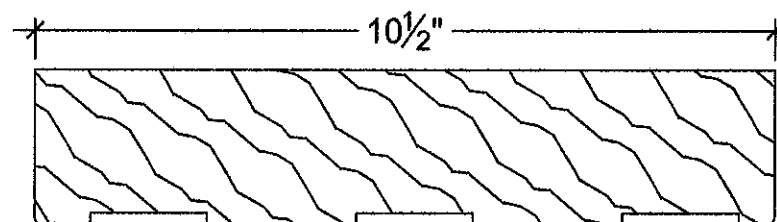
3 TRACKS



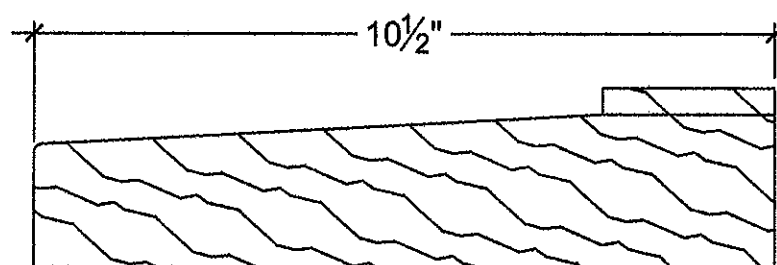
2 JAMB
@pocket



2a JAMB
@Panel

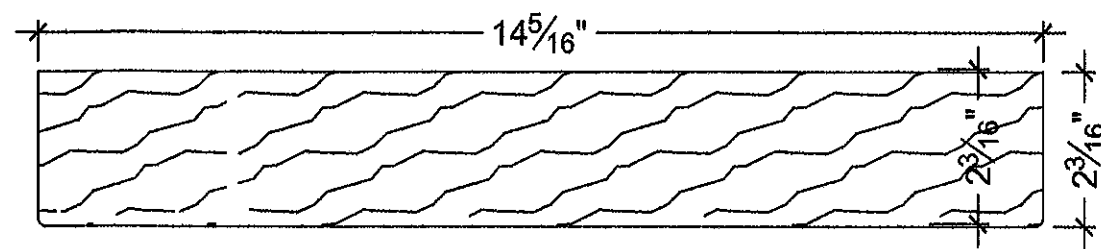


2b HEAD

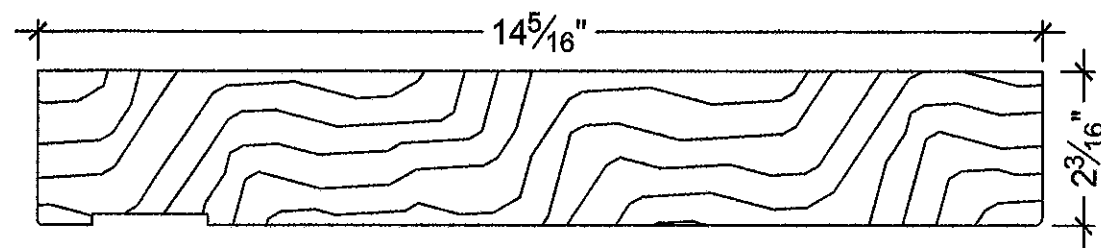


2c Sill
Option a

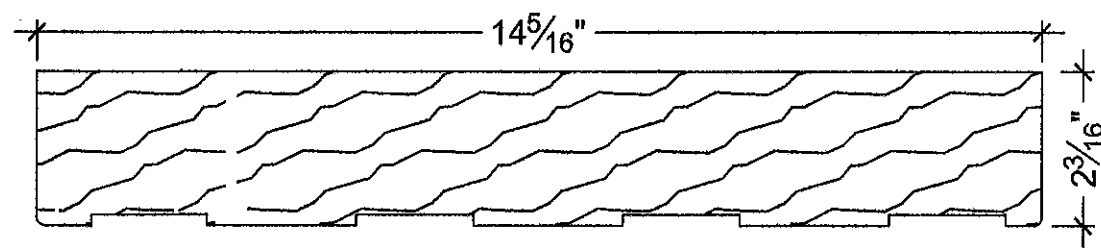
4 TRACKS



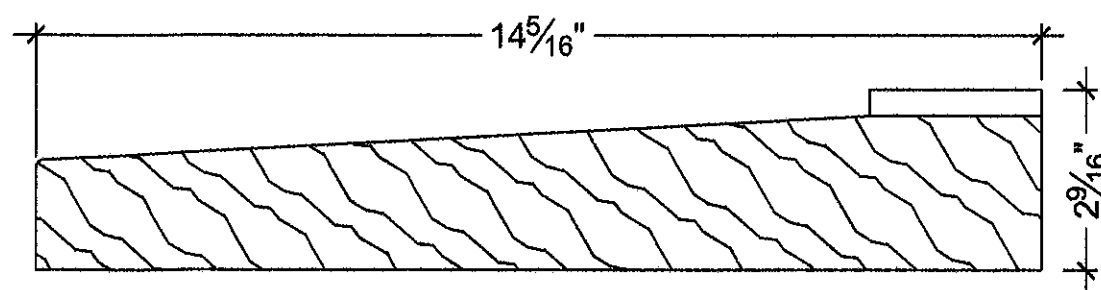
3 JAMB
@pocket



3a JAMB
@Panel



3b HEAD



3c Sill
Option a



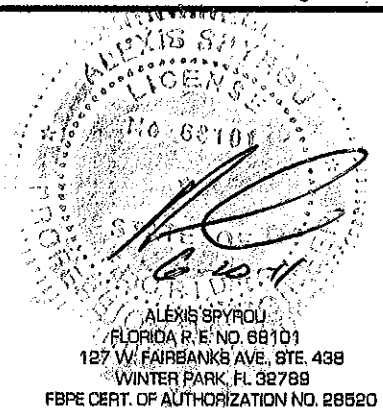
1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 18 / 22

Approved as complying with the
Florida Building Code
Date 07/21/2011
NOAH 10-0708-03
Miami Dade Product Control
By [Signature]



ALEXIS SPYROU
FLORIDA R.E. NO. 68101
127 W. FAIRBANKS AVE, STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520



1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

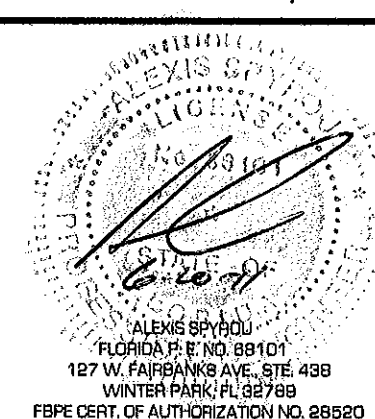
LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 19 / 22

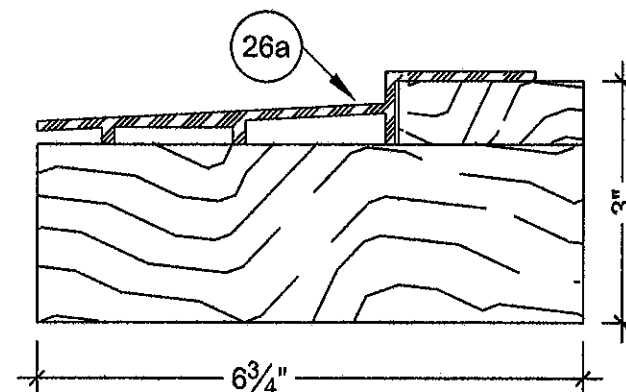
Approved as complying with the
Florida Building Code
Date 07/24/2013
NOA# 10-8488.63
Miami Dade Product Control

By [Signature]

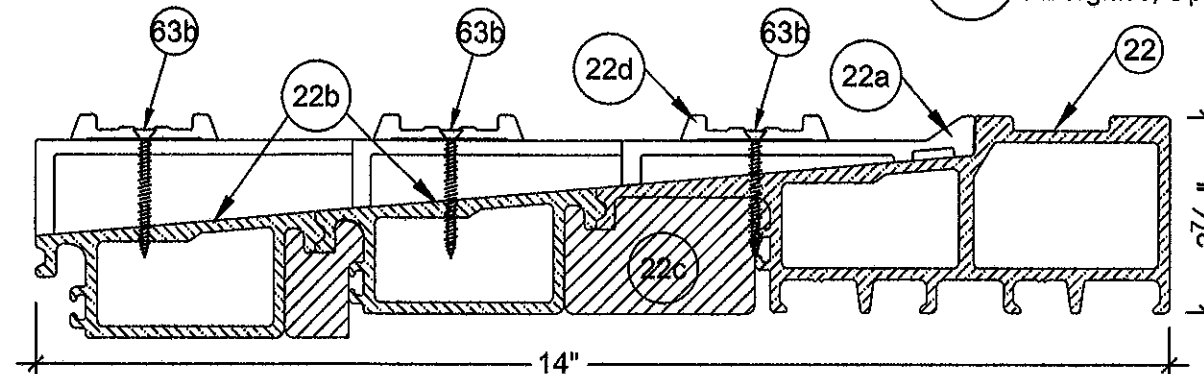


ALEXIS SPYROU
FLORIDA P.E. NO. 88101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520

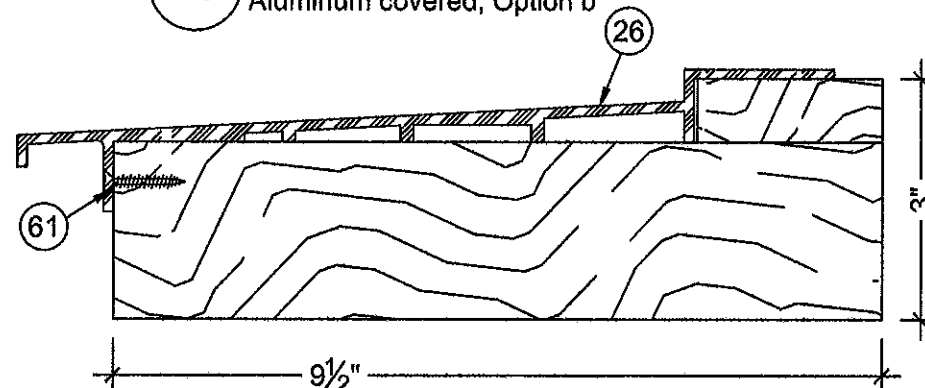
1d Frame Sill @ 2 Tracks
Aluminum covered, Option b



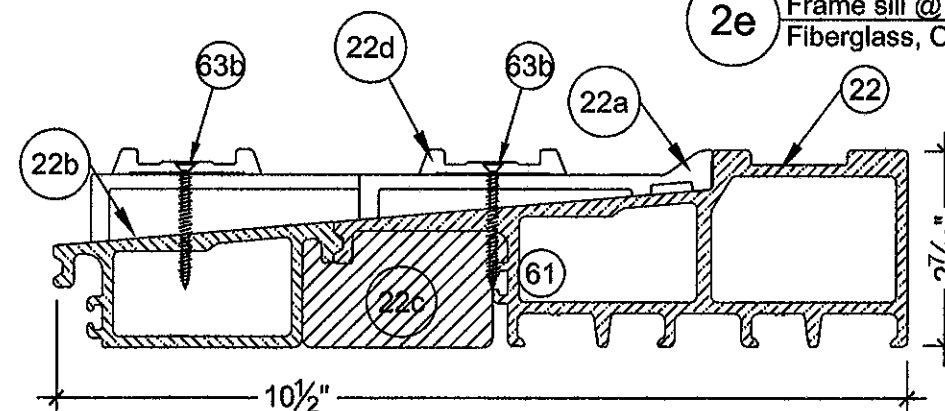
3e Frame sill @ 4 tracks
Fiberglass, Option c



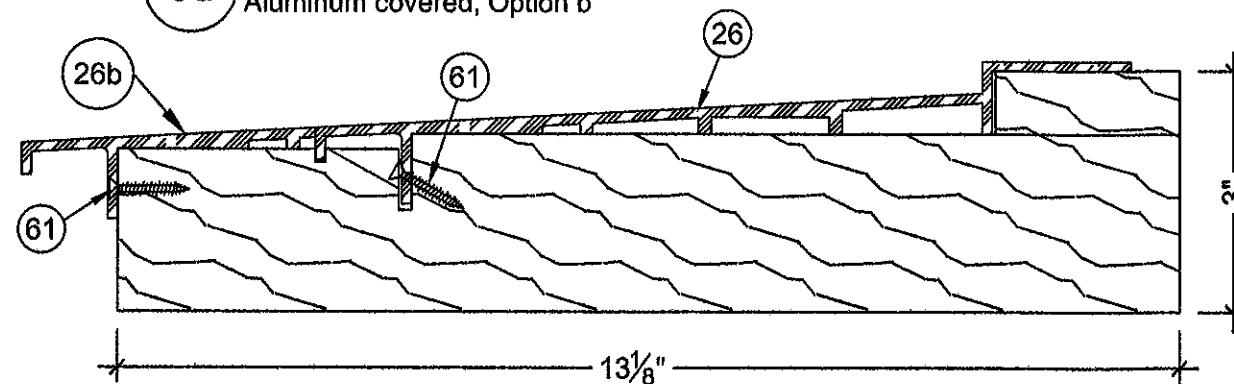
2d Frame Sill @ 3 Tracks
Aluminum covered, Option b



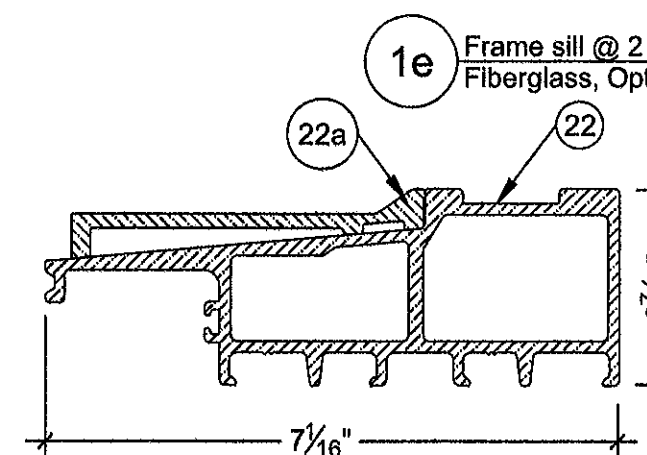
2e Frame sill @ 3 tracks
Fiberglass, Option c



3d Frame Sill @ 4 Tracks
Aluminum covered, Option b



1e Frame sill @ 2 tracks
Fiberglass, Option c



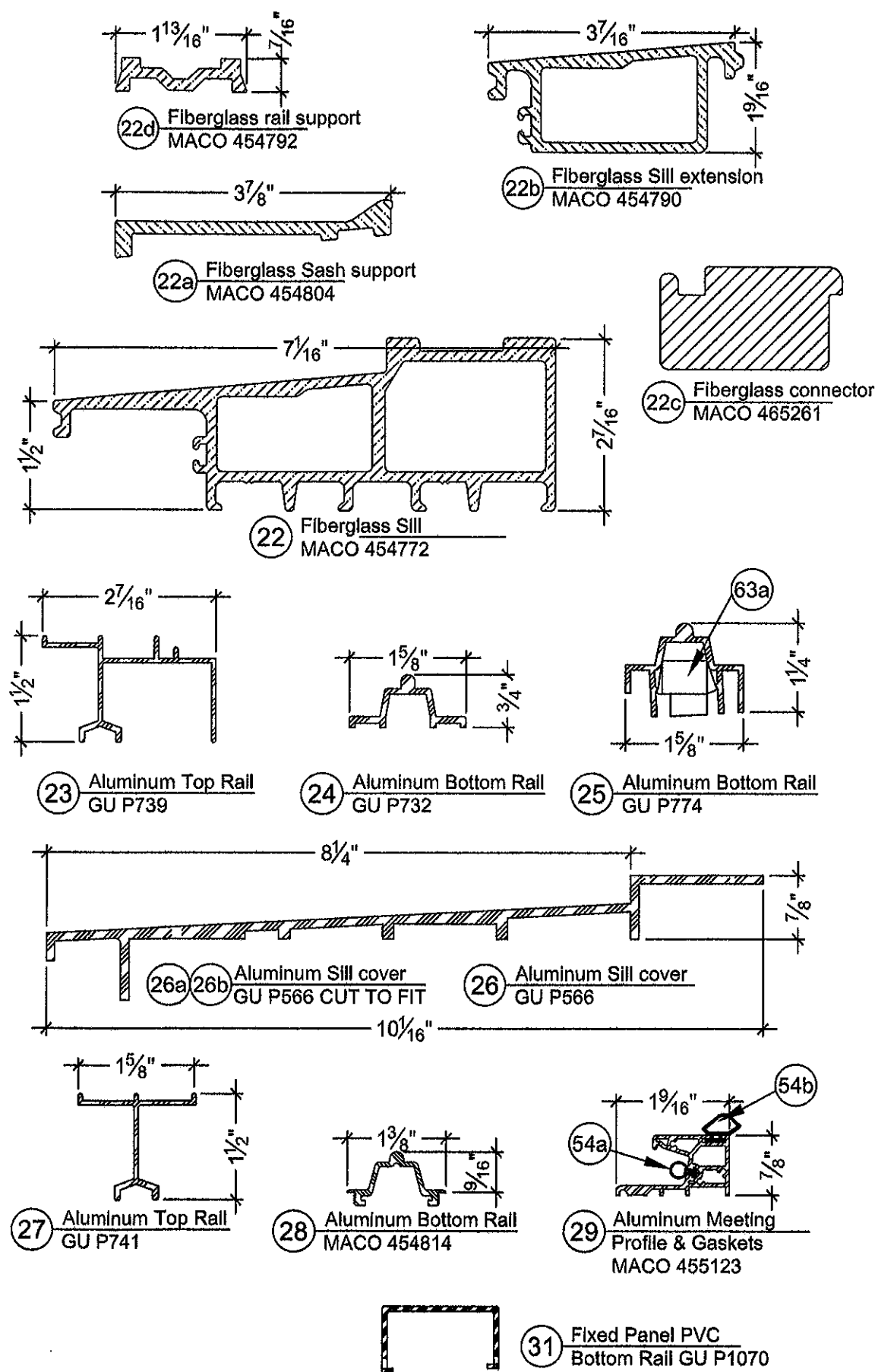
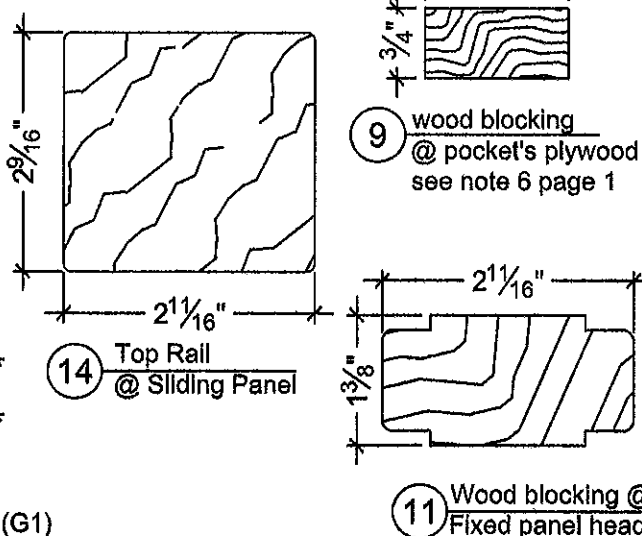
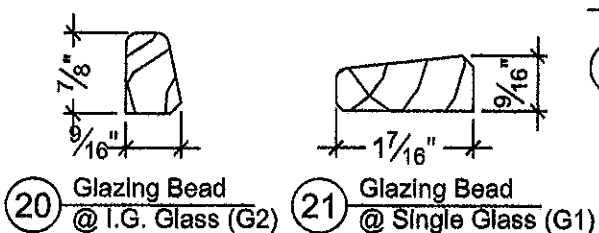
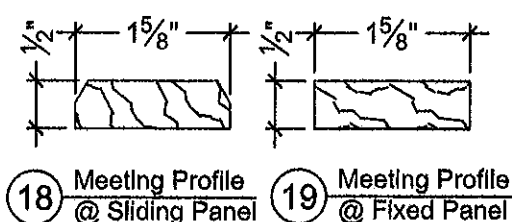
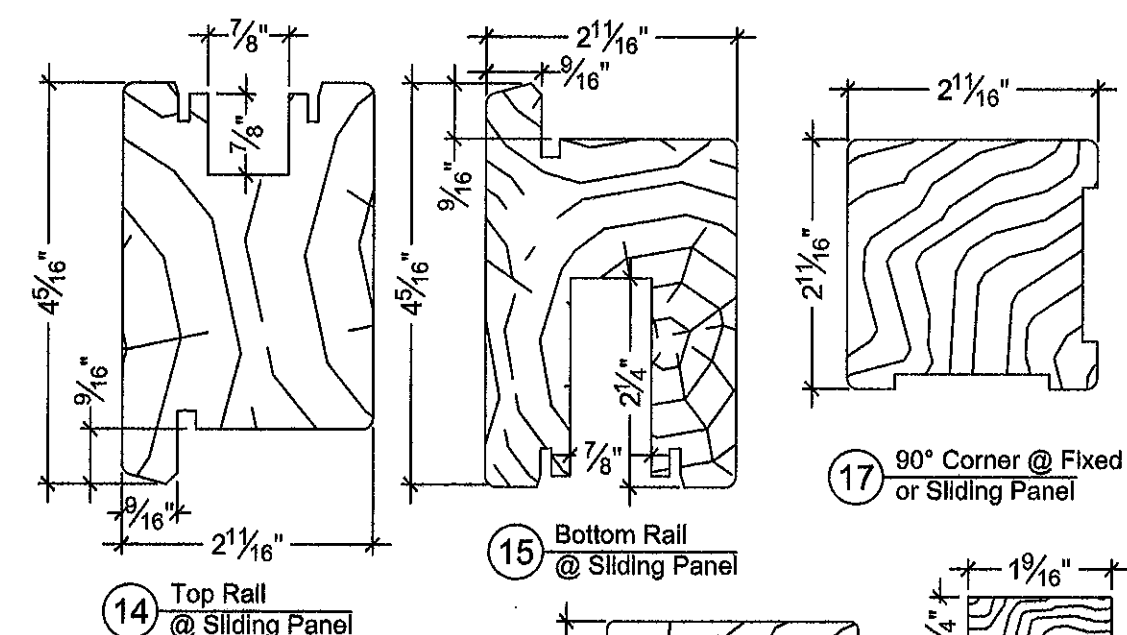
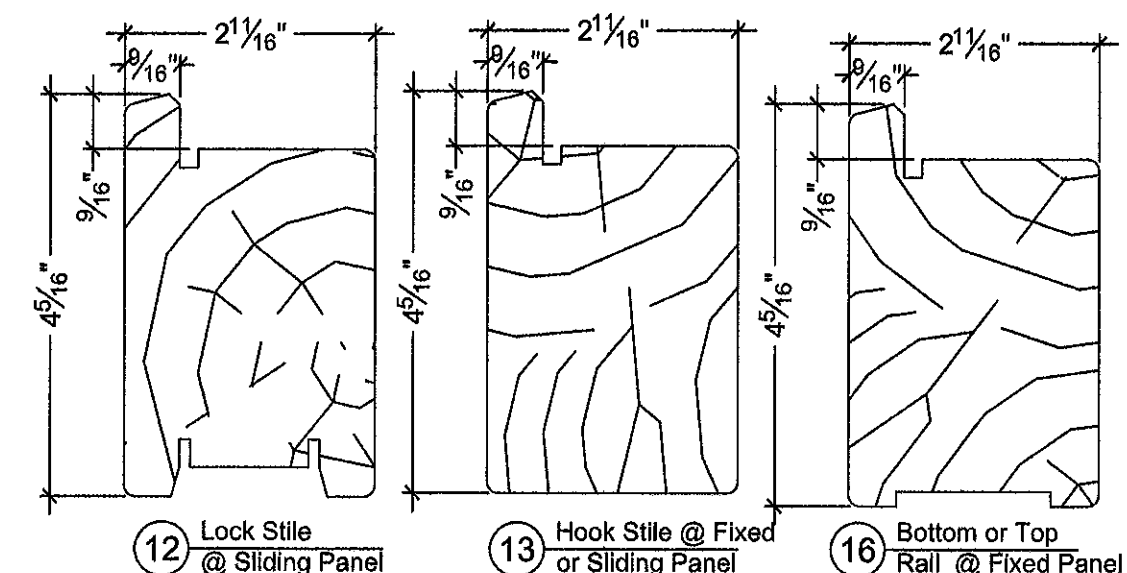


1855 GRIFFIN ROAD, SUITE A-271
DANIA, FL 33004

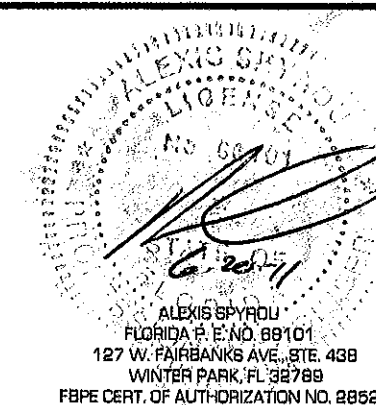
LIFT AND SLIDE WOOD SLIDING GLASS IMPACT DOORS

Drawing no.: MQ-LSD-M1

Scale: NONE	Drawn by: S. Marcotte
Date drawn: 05/24/10	Date revised:
File:	Page: 20 / 22



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ALEXIS SPYROU
FLORIDA P.E. NO. 89101
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520

item #	Item description	Manufacturer / notes
WOOD PROFILES		
1	FRAME JAMB / POCKET 2 rails	MAHOGANY
1a	FRAME JAMB /OP. 2 rails	MAHOGANY
1b	FRAME HEAD / 2 rails	MAHOGANY
1c	FRAME SILL/ OP. 2 rails, option a	MAHOGANY
1d	FRAME SILL/ OP. 2 rails, option b	ALUMINUM PART 28a OVER MAHOGANY
1e	FRAME SILL/ OP. 2 rails, option c	FIBERGLASS SILL part 22, 22a
2	FRAME JAMB / POCKET 3 rails	MAHOGANY
2a	FRAME JAMB /OP. 3 rails	MAHOGANY; (for aluminum sill)
2b	FRAME HEAD / 3 rails	MAHOGANY
2c	FRAME SILL/ OP. 3 rails, option a	MAHOGANY
2d	FRAME SILL/ OP. 3 rails, option b	ALUMINUM PART 26 OVER MAHOGANY
2e	FRAME SILL/ OP. 3 rails, option c	FIBERGLASS SILL part 22, 22a,b,c & d
3	FRAME JAMB / POCKET 4 rails	MAHOGANY
3a	FRAME JAMB /OP. 4 rails	MAHOGANY
3b	FRAME HEAD / 4 rails	MAHOGANY
3c	FRAME SILL/ OP. 4 rails, option a	MAHOGANY
3d	FRAME SILL/ OP. 4 rails, option b	ALUMINUM PART 26 & 26b OVER MAHOGANY
3e	FRAME SILL/ OP. 4 rails, option c	FIBERGLASS SILL part 22, 22a,b,c & d
11	Wood blocking @ Fixed panel head	MAHOGANY
12	LOCK STILE /SLIDING PANEL	MAHOGANY
13	HOOK STILE /FIXED OR SLIDING PANEL	MAHOGANY
14	TOP RAIL /SLIDING PANEL	MAHOGANY
15	BOTTOM RAIL /SLIDING PANEL	MAHOGANY
16	BOTTOM OR TOP RAIL /FIXED PANEL	MAHOGANY
17	90° CORNER /FIXED OR SLIDING PANEL	MAHOGANY
18	MEETING PROFILE /SLIDING PANEL	MAHOGANY
19	MEETING PROFILE /FIXED PANEL	MAHOGANY
20	GLAZING BEAD /1" (o.t.) I.G. GLASS	MAHOGANY
21	GLAZING BEAD / 1/8" (o.t.) SINGLE GLASS	MAHOGANY
OTHER PROFILES		
22	SILL main body / 2 tracks	MACO #454772, fiberglass, bolted at the jamb with (2) part 70
22a	Sash support	MACO #454804, fiberglass, no mean of attachment (in between sash & frame)
22b	Frame extension / for 3 & 4 tracks	MACO #454790, fiberglass, bolted at the jamb with (1) part 70, and clipped with connector 22c @ 12" o/c along the profile
22c	Frame extension connector	MACO #465261, fiberglass, clip between sill profiles 22 & 22a or 22a & 22a
22d	Rail support	MACO #454792, fiberglass, screwed to the frame sill with part 63b
23	INTERIOR TOP RAIL	GU P739, 6063 T5 ALUMINUM ALLOY, screwed to the frame head with part 61
24	BOTTOM RAIL	GU P432, 6063 T5 ALUMINUM ALLOY, screwed to the frame sill with part 61
25	BOTTOM RAIL, with nylon clip 63a	GU P739, 6063 T5 ALUMINUM ALLOY, screwed to the frame head with part 61
26	ALU SILL COVER, / 3 TRACKS	GU P566, 6063 T5 ALUMINUM ALLOY, screwed to the frame sill front edge with part 61
26a	ALU SILL COVER, / 2 TRACKS	GU P566, 6063 T5 ALUMINUM ALLOY, cut to fit
26b	ALU SILL COVER, / 4 TRACKS	GU P566, 6063 T5 ALUMINUM ALLOY, cut to fit, to extend a full P566 profile

item #	Item description	Manufacturer / notes
27	TOP RAIL, Intermediate panels	GU P741, 6063 T5 ALUMINUM ALLOY, screwed to the frame head with part 61
28	BOTTOM RAIL for fiberglass sill	MACO 454814, 6063 T5 ALUMINUM ALLOY clipped into the profile 22 or 22d
29	MEETING PROFILE	MACO 455123, 6063 T5 ALUMINUM ALLOY, screwed to the lock stile with part 62
31	FIXED PANEL SILL TRACK	GU P1070, PVC, no mean of attachment (in between sash & frame sill)
HARDWARE		
40	LIFT & SLIDE HARDWARE	STD GU 937 FROM GU HARWARE
41	HANDLE no. K-13265	FROM GU HARWARE
GASKETS		
50	GU GASKET P743	GU P743, EPDM - 2 ROWS WHERE INDICATED
51	GU GASKET P1697	GU P1697, EPDM - 2 ROWS AT SASH TOP RAIL
52	BOTTOM SEALING BRIDGE	GU 9-39321, NEOPRENE
53	TOP SEALING BRIDGE	GU 6-22154, FOAM
54a	INTERIOR BULB for part 29	MACO 454877, SILICONE one row
54b	EXTERIOR BULB for part 29	MACO 454878, EPDM one row
FASTENERS		
60	#10 x 2 1/2" FH SCREW; SASH STILE TO PART 17	WITHIN 6" OF CORNERS AND MAX. 20" THEREAFTER, 1 ROW, SCATTERED
61	#7 x 1" FH SCREW; THRU ALL ALU. RAILS TO WOOD FRAMES	2 ROWS @ MAX. 10" ON CENTERS
62	#7 x 1" FH SCREW; THRU PART 29 MEETING PROFILE TO SASH STILE	1 ROW @ MAX. 10" ON CENTERS
63	#7 x 1 1/2" FH SCREW; THRU PART 63a rail clip	2 PER CLIP; @ CLIPS MAX. 10" ON CENTERS
63a	Attachment clip of part 25	@ MAX. 10" o/c, screwed with part 63
63b	#7 x 1 1/2" FH SCREW; THRU RAIL 22d	1 ROW @ MAX. 10" ON CENTERS
64	#7 x 1 1/2" FH SCREW; @ PART 9 PLYWOOD STOPPER (POCKET) & PART 9a PLYWOOD	WITHIN 6" FROM CORNERS AND MAX. 14" ON CENTERS
65	#12 x 4" FH SCREW; @ THRU FRAME TO FIXED PANEL	WITHIN 6" FROM CORNERS AND MAX. 16" ON CENTERS
66	ALUMINUM ANGLE ALLOY 6063-T5 1/8"(T) x 1 1/2" x 1 1/2"	CONTINUOUS, FIXED TO THE FRAME AND TO THE BUCK FRAME WITH SCREW #67
67	#12 x 1 1/2" FH WOOD SCREW	@ 5 1/2" FROM CORNERS AND MAX. 12" ON CENTERS
68	1/4" x 3 3/4" FH SCREW; @ THRU FRAME TO BUCK FRAME	@ 5 1/2" FROM CORNERS AND MAX. 12" ON CENTERS
69	18g 1 1/4" FINISHING NALS THRU GLAZING BEADS 20 & 21 TO THE SASH PROFILES	SPACED 2" FROM THE CORNERS AND 9 1/2" O/C AT HEAD & SILL, AND 6" O/C AT JAMBS
70	(3) 1/4" Ø x 4" ASSEMBLY SCREW WITH ROUNDED NUT GU K-10323-00-0-0	SPACED 2 5/8" O/C, LOCATED AT FRAME'S HEAD AND SILL CORNERS, AND AT FRAME TO FRAME CONNECTIONs
71	7/16" Ø X 2 3/4" (L) WOOD DOWEL	(4) PER PANEL'S CORNER, SECURED WITH RHENOCOL 3W-4B TYPE 1 EXTERIOR GLUE FOR WOOD
WH	5/16"Ø Weep Hole	AT SILL AT MEETING STILES AND AT 1" FROM FRAME JAMB WHERE INDICATED
9	Continuous mahogany wood blocking for plywood	Along plywood perimeter at pocket, screwed with 64
9a	standard utility plywood	1/2" thick, attached to part 9 with screws no 64



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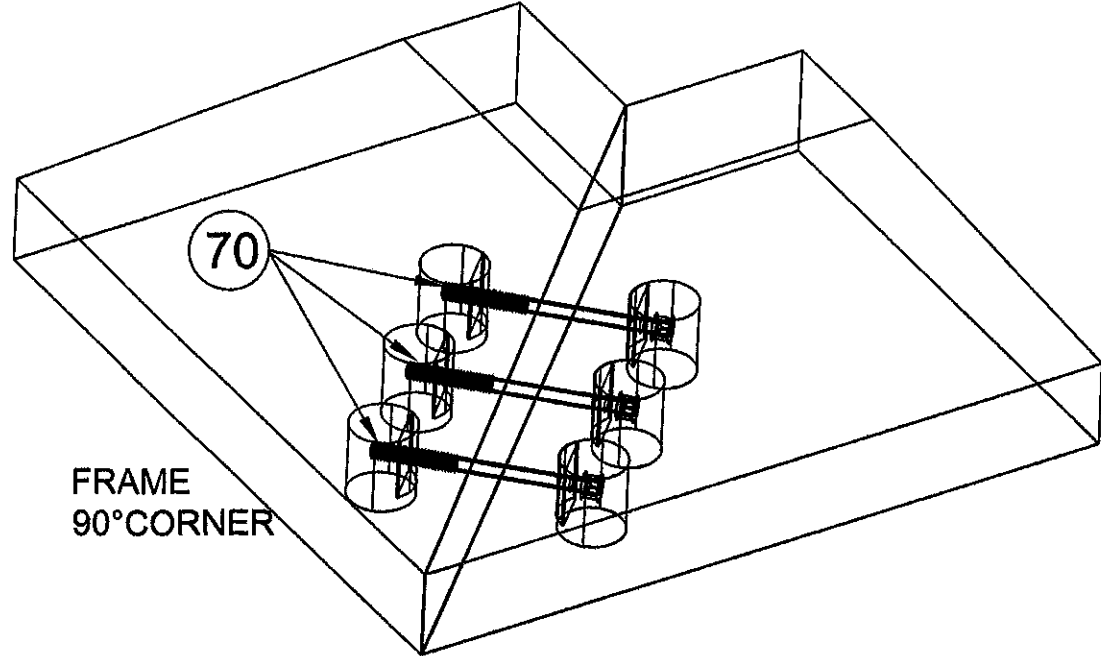
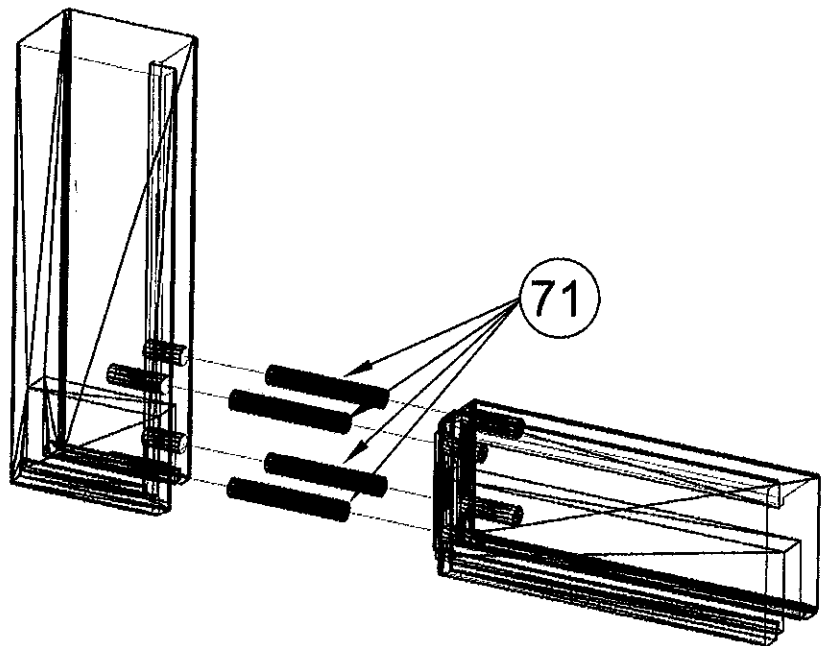
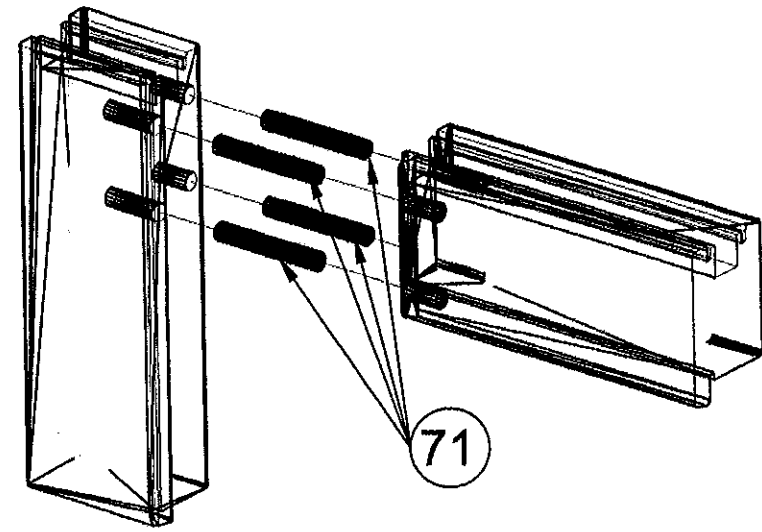
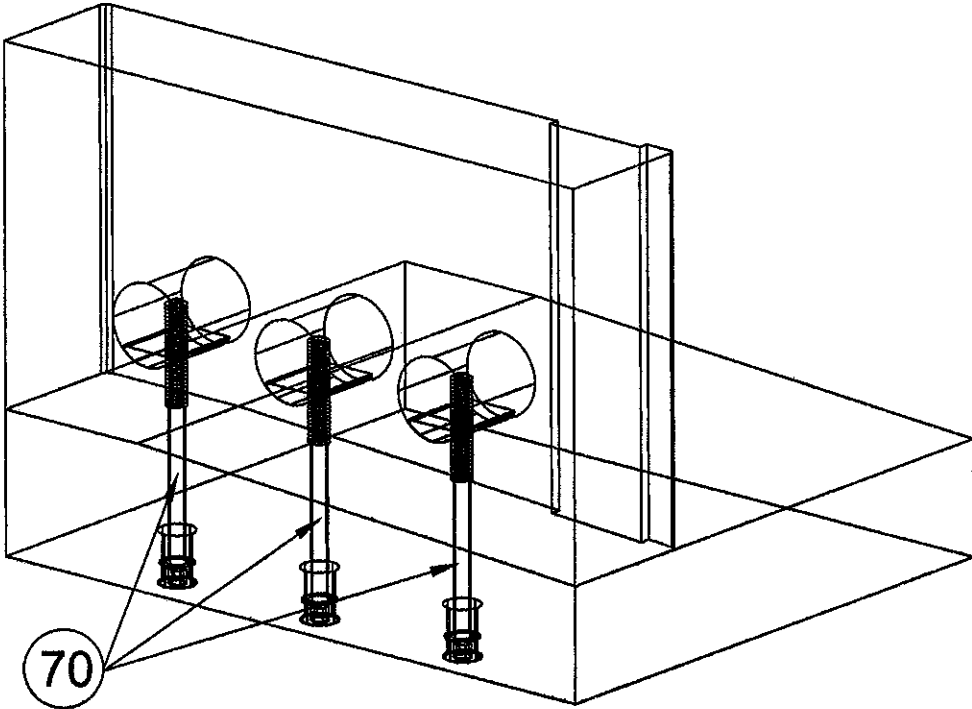
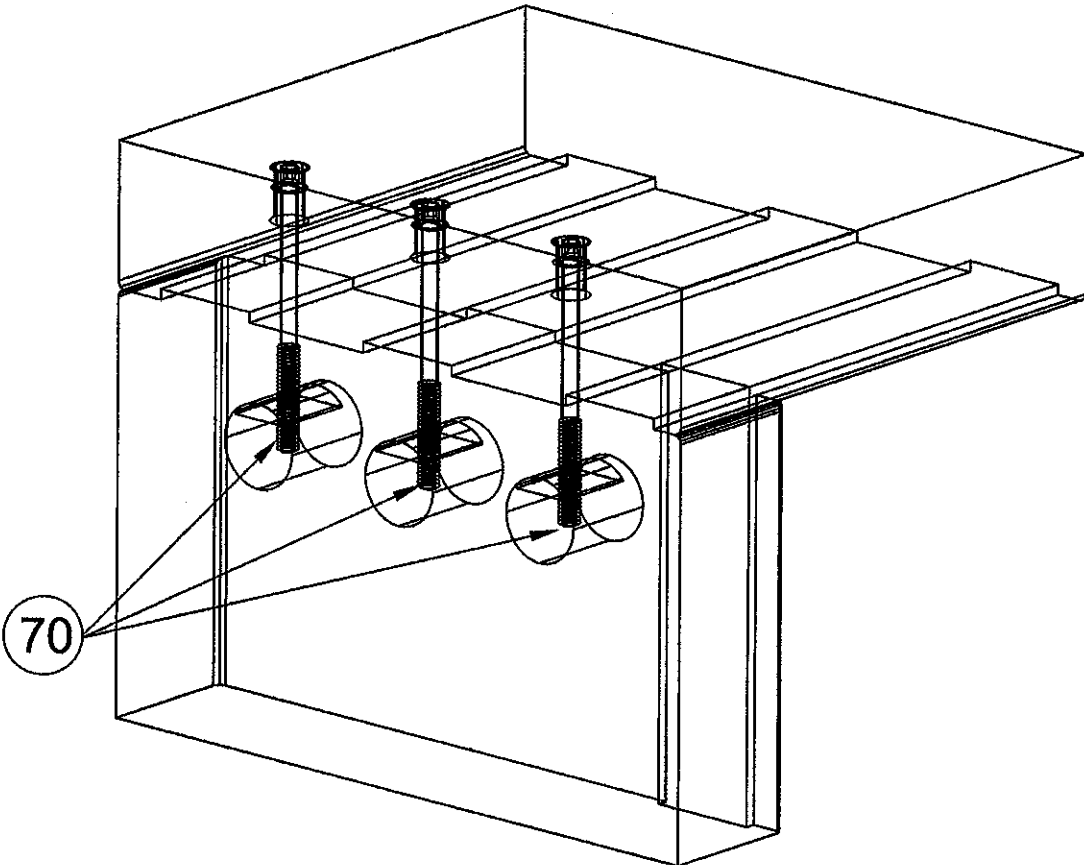
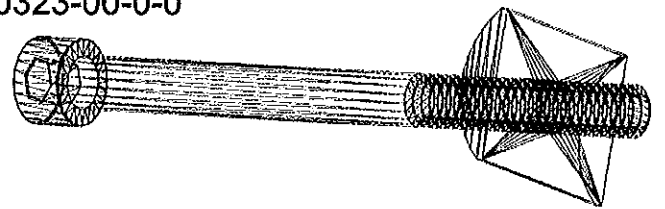
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PART #70: ASSEMBLY SCREW WITH ROUNDED
NUT GU K-10323-00-0-0



FRAME
90° CORNER



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LIFT AND SLIDE WOOD
SLIDING GLASS IMPACT
DOORS

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Date drawn: 05/24/10 Date revised:

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Approved as complying with the
Florida Building Code
Date 07/27/2011
NOA# 16-6788.03
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